Environmental

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February 5, 2002

Mr. Scott Seery
Alameda County Health Care Agency
Department of Environmental Health
1131 Harbor Parkway, Room 250
Alameda, CA 94502-6577

FEB 13 2002

Subject: *Quarterly Ground Water Monitoring and Remediation System Status Report,* ***Fourth Quarter 2001***
Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California
RDM Project No. 00-3720

Dear Mr. Seery:

This report describes quarterly ground water monitoring and remediation system activities conducted during the **Fourth Quarter 2001**.

STATUS OF GROUND WATER MONITORING

RDM Environmental (RDM) has been authorized by Ultramar Inc. to perform quarterly ground water monitoring and remediation system oversight for the subject site. This report describes quarterly ground water monitoring and remediation system status for the **Fourth Quarter 2001**.

Cumulative ground water sampling information is tabulated in Table 1. Historical analytical results from interim remediation are included in Table 2. A site topographic map, site map, ground water elevation contour map and concentration map are shown as Figures 1 through 4, respectively. The site history is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results are included in Enclosure C. Historical ground water monitoring data is included in Enclosure D.

- Historical ground water flow direction is to the southwest.

Work Performed During the Fourth Quarter 2001:

- Doulos Environmental Inc. performed ground water sampling on **November 7, 2001.**
- RDM continued operation and maintenance of the remediation system.

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of ground water treatment, soil vapor extraction (SVE) and air sparging components. A process flow diagram showing details of the system is shown as Figures 5.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **Fourth Quarter 2001** on:
  - **October 8 and 19, 2001**
  - **November 2 and 23, 2001**
  - **December 13 and 27, 2001**

Ground Water Extraction System Performance:

- The Ground Water Treatment System did not operate during the **Fourth Quarter 2001.**
- During the **Fourth Quarter 2001**, the ground water system processed **Zero (0)** gallons. As of **December 27, 2001**, the ground water system has processed approximately **228,500** gallons.
- The Ground Water Treatment system has not operated continuously since **March 1998** and has only processed purge water since that time.
- Due to the elevated concentration reported in the most recent ground water sampling events, Ultramar may start-up the ground water system in the future. The sanitary sewer agency will be notified of system modification or system start-up.
- Monitoring wells MW-4, MW-5 and MW-9 are recovery wells.

Soil Vapor Extraction System Performance:

- The SVE system operated intermittently during the **Fourth Quarter 2001.**
- During the **Fourth Quarter 2001**, the SVE system removed approximately **14.0** pounds of vapor equivalent gasoline.
- As of **December 13, 2001**, the SVE system has removed approximately **2,520** pounds **(413** gallons) of vapor equivalent gasoline.
- Soil vapor extraction is conducted on MW-1 through MW-5, MW-8, MW-9 and vapor well VW-1.
- The SVE analytical results are included in Table 3 and the SVE performance data is included in Table 4. Remediation system analytical results are included in Enclosure E.

Air Sparging System Performance:

- The Air Sparging system operated intermittently during the **Fourth Quarter 2001.**
- The air compressor is going to be replaced during the **First Quarter 2002.**
- Air sparging system is connected to sparge points SP-1 through SP-6.

CONCLUSIONS/RECOMMENDATIONS

RDM recommends continued operation of the remediation system and quarterly ground water monitoring.

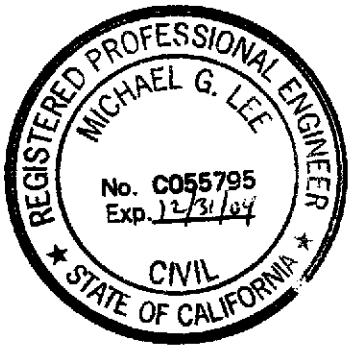
The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

If you have any questions concerning this project, please contact Richard Munsch at (916) 771-7098.

RDM ENVIRONMENTAL

Richard D. Munsch
Project Manager

Michael G. Lee, P.E.
California Registered Civil Engineer No.C055795



RDM (3720 4Q GWM 11-7-01)

cc: Mr. Joe Aldridge – Ultramar Inc.
Mr. Paul Zolfarelli – City of San Leandro
Case Worker – California Regional Water Quality Control Board – San Francisco Bay Region

Enclosures:

- Enclosure A: Site Background Information
- Enclosure B: Ground Water Sampling Information
- Enclosure C: Ground Water Analytical Results
- Enclosure D: Historical Ground Water Monitoring Data
- Enclosure E: Remediation System Analytical Results

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-1	03/12/98	33.10	11.09	22.01	<0.5	<0.5	5.0	2.8	100	<5.0	No sheen
	05/28/98		11.36	21.74	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	08/31/98		12.61	20.49	<0.5	<0.5	6.4	1.4	130	<5.0	No sheen
	11/19/98		13.84	19.26	0.75	<0.5	<0.5	3.0	120	<5.0	No sheen
	03/15/99		11.95	21.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/07/99		13.45	19.65	1.6	1.9	230	110	5,200	<5.0	No sheen
	09/07/99		13.10	20.00	1.0	<0.5	22	15	490	<5.0	No sheen
	12/13/99		14.29	18.81	<2.5	<2.5	170	110	4,100	<25	No sheen
	03/08/00		11.22	21.88	<0.5	<0.5	21	7.7	1,200	150	No sheen
	06/12/00		12.85	20.25	1.5	0.9	160	98	3,000	34	No sheen
	11/15/00		14.19	18.91	<20	<20	470	390	8,500	14,000	No sheen
	02/27/01		12.35	20.75	5.4	2.6	260	190	6,100	4,300	No sheen
	05/22/01		14.18	18.92	8.9	13	1,100	1,300	21,000	2,300	No sheen
	09/05/01		13.70	19.10	<2.0	3.6	600	850	12,000	93	No sheen
	11/07/01		14.25	18.85	<5.0	<5.0	1,300	1,600	23,000	87	No sheen
MW-2	03/12/98	32.80	10.92	21.88	32	1.0	12	6.5	440	20	No sheen
	05/28/98		10.41	22.39	<0.5	<0.5	<0.5	<0.5	<50	27	No sheen
	08/31/98		12.29	20.51	9.3	0.95	4.9	8.8	270	20	No sheen
	11/19/98		13.47	19.33	16	0.72	<0.5	4.3	180	7.4	No sheen
	03/15/99		11.95	20.85	12	3.5	59	840	2,400	10	No sheen
	06/07/99		13.11	19.69	21	0.99	6.9	10	690	6.1	No sheen
	09/07/99		12.92	19.88	7.8	1.2	42	100	610	<5.0	No sheen
	12/13/99		13.96	18.84	26	0.93	52	96	3,000	<5.0	No sheen
	03/08/00		10.87	21.93	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/12/00		12.53	20.27	51	17	170	320	5,500	18	No sheen
	11/15/00		13.96	18.84	75	48	1,200	2,800	16,000	19,000	No sheen
	02/27/01		12.29	20.51	54	24	320	870	10,000	6,000	No sheen
	05/22/01		15.51	17.29	12	5.0	79	100	2,400	3,500	No sheen
	09/05/01		13.75	19.05	120	180	1,500	5,100	34,000	400	No sheen
	11/07/01		13.99	18.81	87	170	1,400	3,700	32,000	870	No sheen
MW-3	03/12/98	32.30	10.81	21.49	0.67	<0.5	7.1	3.4	1,200	7.3	No sheen
	05/28/98		11.45	20.85	<0.5	0.5	<0.5	<0.5	350	<5.0	No sheen
	08/31/98		12.21	20.09	<0.5	0.89	0.69	<0.5	240	<5.0	No sheen
	11/19/98		13.26	19.04	5.3	0.72	0.86	4.2	440	<5.0	No sheen
	03/15/99		11.89	20.41	3.3	1.3	0.77	<0.5	410	<5.0	No sheen
	06/07/99		12.91	19.39	<0.5	2.0	<0.5	0.66	680	<5.0	No sheen
	09/07/99		12.81	19.49	<0.5	0.62	<0.5	8.7	150	12	No sheen
	12/13/99		13.75	18.55	<0.5	0.52	<0.5	1.0	830	<5.0	No sheen
	03/08/00		11.39	20.91	0.58	<0.5	0.77	<0.5	960	<5.0	No sheen
	06/12/00		12.58	19.72	1.7	<0.5	46	6.3	1,700	<5.0	No sheen
	11/15/00		13.85	18.45	<200	<200	<200	<200	<20,000	84,000	No sheen
	02/27/01		12.22	20.08	98	<20	130	30	3,500	16,000	No sheen
	05/22/01		13.66	18.64	41	<20	20	<20	<2,000	5,800	No sheen
	09/05/01		13.41	18.89	9.9	1.5	49	8.2	5,300	430	No sheen
	11/07/01		13.85	18.45	9.4	1.8	47	8.8	6,500	1,600	No sheen

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Beacon Station No. 3720
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San Leandro, California

Monitoring Well	Date	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-4	03/12/98	32.90	11.31	21.59	2,200	1,500	630	3,000	14,000	440	No sheen
	05/28/98		10.40	22.50	<0.5	0.75	0.68	6.9	67	26	No sheen
	08/31/98		12.54	20.36	1.8	2.5	0.65	3.4	<50	<5.0	No sheen
	11/19/98		13.99	18.91	<0.5	<0.5	<0.5	0.61	<50	17	No sheen
	03/15/99		12.06	20.84	1.2	1.6	0.76	4.5	160	9.3	No sheen
	06/07/99		13.57	19.33	210	370	350	2,000	5,800	<20	No sheen
	09/07/99		10.30	22.60	2.2	2.8	4.8	25	130	12	No sheen
	12/13/99		14.18	18.72	1.3	1.0	1.2	4.8	<50	12	No sheen
	03/08/00		11.77	21.13	78	200	160	750	3,700	11	No sheen
	06/12/00		13.47	19.43	<0.5	<0.5	<0.5	<0.5	<50	24	No sheen
	11/15/00		14.33	18.57	12	38	28	130	710	1,300	No sheen
	02/27/01		14.25	18.65	67	300	310	1,400	6,500	1,000	No sheen
	05/22/01		13.99	18.91	2.1	5.6	4.8	20	130	350	No sheen
	09/05/01		15.75	17.15	110	670	250	1,300	6,200	600	No sheen
	11/07/01		16.10	16.80	40	270	180	940	4,100	110	No sheen
MW-5	03/12/98	32.70	11.11	21.59	2,600	160	470	2,200	12,000	<250	No sheen
	05/28/98		10.92	21.78	480	99	160	730	4,700	<250	No sheen
	08/31/98		12.79	19.91	200	14	55	220	1,400	180	No sheen
	11/19/98		13.39	19.31	1.4	<0.5	<0.5	<0.5	<50	39	No sheen
	03/15/99		11.71	20.99	320	17	290	780	3,400	33	No sheen
	06/07/99		13.26	19.44	220	8.9	240	290	3,200	<25	No sheen
	09/07/99		9.70	23.00	8.5	<0.5	8.5	12	140	38	No sheen
	12/13/99		14.06	18.64	<0.5	<0.5	<0.5	13	140	<5.0	No sheen
	03/08/00		11.80	20.90	0.66	<0.5	2.5	30	280	<5.0	No sheen
	06/12/00		12.99	19.71	22	1.2	79	170	2,700	6.4	No sheen
	11/15/00		14.23	18.47	36	1.6	180	180	4,500	10	No sheen
	02/27/01		12.66	20.04	33	1.6	160	220	2,800	110	No sheen
	05/22/01		13.58	19.12	49	2.2	180	230	3,200	240	No sheen
	09/05/01		14.05	18.65	28	1.0	100	100	2,400	560	No sheen
	11/07/01		14.32	18.38	<2.0	<2.0	2.1	20	390	590	No sheen
MW-6	03/12/98	30.40	10.49	19.91	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	05/28/98		10.58	19.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	08/31/98		10.85	19.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	11/19/98		10.88	19.52	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	03/15/99		10.83	19.57	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/07/99		11.01	19.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	09/07/99		11.89	18.51	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	12/13/99		12.09	18.31	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	03/08/00		10.02	20.38	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/12/00		11.07	19.33	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	11/15/00		12.34	18.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	02/27/01		10.75	19.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	05/22/01		11.55	18.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	09/05/01		12.10	18.30	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	11/07/01		12.31	18.09	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen

TABLE 1

GROUND WATER MONITORING DATA

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Comments
MW-7	03/12/98	31.20	10.14	21.06	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	05/28/98		10.93	20.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	08/31/98		12.01	19.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	11/19/98		12.54	18.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	03/15/99		10.94	20.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/07/99		12.05	19.15	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	09/07/99		12.67	18.53	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	12/13/99		12.73	18.47	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	03/08/00		10.90	20.30	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/12/00		12.61	18.59	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	11/15/00		13.06	18.14	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	02/27/01		11.85	19.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	05/22/01		12.31	18.89	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	09/05/01		12.85	18.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
	11/07/01		12.75	18.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	No sheen
MW-8	03/12/98	33.80	11.81	21.99	1.4	<0.5	<0.5	<0.5	72	<5.0	No sheen
	05/28/98		12.14	21.66	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	08/31/98		13.16	20.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	11/19/98		14.56	19.24	510	24	1,200	2,800	14,000	<5.0	No sheen
	03/15/99		12.40	21.40	160	16	910	2,100	14,000	<50	No sheen
	06/07/99		14.06	19.74	330	14	470	880	7,800	<50	No sheen
	09/07/99		14.01	19.79	150	2.6	260	370	3,200	<5.0	No sheen
	12/13/99		14.91	18.89	35	<5.0	280	730	6,700	<50	No sheen
	03/08/00		11.85	21.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/12/00		13.59	20.21	4.0	<0.5	4.9	2.1	140	<5.0	No sheen
	11/15/00		14.94	18.86	2.0	<0.5	3.1	2.6	100	110	No sheen
	02/27/01		NM	NC	NS	NS	NS	NS	NS	NS	Tank Over Well
	05/22/01		NM	NC	NS	NS	NS	NS	NS	NS	Tank Over Well
	09/05/01		14.68	19.12	160	<2.0	200	330	4,800	850	No sheen
	11/07/01		15.10	18.70	1.1	<1.0	2.0	6.1	<100	590	No sheen
MW-9	03/12/98	32.56	10.93	21.63	320	23	180	720	3,700	190	No sheen
	05/28/98		11.31	21.25	110	6.4	87	300	2,200	220	No sheen
	08/31/98		12.16	20.40	240	23	690	1,900	11,000	<50	No sheen
	11/19/98		11.04	21.52	7.7	<0.5	10	22	280	67	No sheen
	03/15/99		11.81	20.75	<0.5	<0.5	<0.5	1.2	<50	<5.0	No sheen
	06/07/99		12.21	20.35	9.3	0.86	9.7	12	340	<5.0	No sheen
	09/07/99		10.10	22.46	0.76	<0.5	1.9	0.8	72	9.9	No sheen
	12/13/99		13.64	18.92	<0.5	<0.5	<0.5	<0.5	60	<5.0	No sheen
	03/08/00		10.88	21.68	<0.5	<0.5	<0.5	<0.5	<50	<5.0	No sheen
	06/12/00		12.50	20.06	0.9	<0.5	2.7	1.3	640	10	No sheen
	11/15/00		13.60	18.96	<0.5	<0.5	0.69	<0.5	200	12	No sheen
	02/27/01		12.15	20.41	0.61	<0.5	2.2	1.2	360	42	No sheen
	05/22/01		13.20	19.36	0.57	<0.5	2.1	0.61	330	290	No sheen
	09/05/01		13.10	19.46	<2.0	<2.0	<2.0	<2.0	<200	1,100	No sheen
	11/07/01		13.85	18.71	1.0	<1.0	<1.0	<1.0	230	510	No sheen

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

µg/L = Micrograms per liter.

TABLE 2

ADDITIONAL GROUND WATER MONITORING DATA

Beacon Station No.3720
1088 Marina Boulevard
San Leandro, California

Monitoring Well	Date	Sample I.D.	Time	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH[a] as gasoline (µg/L)	MTBE[b] (µg/L)	DIPE[c] (µg/L)	ETBE[d] (µg/L)	TAME[e] (µg/L)	TBA[f] (µg/L)	Comments
MW-2	10/04/00	MW-2-IN	5:58 AM	150	<100	180	390	<10,000	91,000	NA	NA	NA	NA	
	10/04/00	MW-2-FI	8:50 AM	78	54	420	1,100	8,000	27,000	NA	NA	NA	NA	
	10/17/00	MW-2	9:45 AM	160	140	2,200	6,100	86,000	26,000	NA	NA	NA	NA	
	11/29/00	MW-2-IN	7:30 AM	62	66	1,000	3,800	19,000	12,000	NA	NA	NA	NA	
	11/29/00	MW-2-FI	2:20 PM	41	5.9	110	240	3,600	16,000	NA	NA	NA	NA	
	12/04/00	MW-2-IN	10:35 AM	87	82	1,300	4,400	22,000	7,900	<20	<20	<20	580	
	12/04/00	MW-2-FI	5:30 PM	51	<20	92	190	3,300	12,000	<20	<20	<20	990	
	05/21/01	MW-2	7:30 AM	74	85	500	2,000	13,000	930	NA	NA	NA	NA	
MW-3	10/04/00	MW-3-IN	8:40 AM	<200	<200	<200	<200	<20,000	150,000	NA	NA	NA	NA	
	10/04/00	MW-3-FI	9:20 AM	60	12	54	23	2,600	100,000	NA	NA	NA	NA	
	10/17/00	MW-3	10:20 AM	57	<50	50	<50	5,200	110,000	NA	NA	NA	NA	
	11/29/00	MW-3-IN	9:30 AM	94	<50	77	<50	<5,000	68,000	NA	NA	NA	NA	
	11/29/00	MW-3-FI	4:05 PM	<100	<100	<100	<100	<10,000	61,000	NA	NA	NA	NA	
	12/04/00	MW-3-IN	10:35 AM	93	<50	74	<50	<5,000	65,000	<50	<50	96	6,000	
	12/04/00	MW-3-FI	7:10 PM	<100	<100	<100	<100	<10,000	47,000	<100	<100	100	2,700	

a) Total Petroleum Hydrocarbon as gasoline
b) Methyl-t-butyl ether
c) Diisopropyl ether
d) Ethyl-t-butyl ether
e) Tert-amyl methyl ether
f) Tert Butanol

µg/L = Micrograms per liter.

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Influent	06/05/97	3.2	0.72	1.2	2.5	220
Effluent	06/05/97	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	07/03/97	0.30	0.67	0.23	1.8	86
Effluent	07/03/97	<0.05	0.054	<0.05	0.13	<5.0
Influent	07/22/97	0.76	1.6	0.92	5.3	270
Effluent	07/22/97	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	08/07/97	2.0	1.3	0.53	2.7	130
Effluent	08/07/97	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	09/04/97	1.8	0.73	1.3	5.9	190
Effluent	09/04/97	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	10/24/97	0.49	0.52	0.35	2.3	54
Effluent	10/24/97	<0.05	<0.05	<0.05	0.057	<5.0
Effluent	11/26/97	0.094	0.089	<0.05	0.062	5.3
Influent	12/10/97	<0.05	0.44	0.076	0.37	5.8
Effluent	12/10/97	<0.05	0.062	<0.05	<0.05	<5.0
Influent	12/12/97	0.59	0.17	0.49	2.0	26
Effluent	12/12/97	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	01/12/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	04/23/98	0.18	0.32	0.072	0.47	18
Mid-Carbon	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	04/23/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0
Mid-Carbon	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	06/09/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	07/07/98	0.067	<0.05	<0.05	<0.05	<5.0
Mid-Carbon	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	07/07/98	<0.05	<0.05	<0.05	<0.05	<5.0

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Mid-Carbon	07/21/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	08/11/98	<0.05	0.06	<0.05	0.071	<5.0
Mid-Carbon	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	08/11/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	09/10/98	0.16	0.46	0.062	0.20	16
Mid-Carbon	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	09/10/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	09/23/98	0.16	0.32	<0.05	0.20	9.4
Mid-Carbon	09/23/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	10/20/98	0.63	0.19	0.062	0.17	28
Mid-Carbon	10/20/98	0.79	0.37	<0.05	0.088	48
Effluent	10/20/98	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	11/26//97	0.13	0.43	0.072	0.35	9.2
Influent	12/08/99	0.73	2.2	0.15	0.71	43
Mid-Carbon	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	12/08/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	01/13/99	0.068	0.057	<0.05	0.095	6.5
Mid-Carbon	01/13/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	01/13/99	<0.05	<0.05	<0.05	<0.05	5.4
Effluent	01/28/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	02/10/99	1.1	1.2	0.071	0.28	56
Mid-Carbon	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	02/10/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	03/10/99	0.070	<0.05	<0.05	<0.05	<5.0
Mid-Carbon	03/10/99	0.069	<0.05	<0.05	<0.05	28
Effluent	03/10/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	04/07/99	0.22	0.078	<0.05	0.060	17
Influent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0
Mid-Carbon	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	06/08/99	<0.05	<0.05	<0.05	<0.05	<5.0

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Influent	07/12/99	0.16	0.77	<0.05	0.18	11
Mid-Carbon	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	07/12/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	08/09/99	0.092	1.0	0.20	0.94	12
Mid-Carbon	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	08/09/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	09/07/99	0.069	0.41	0.07	0.38	16
Mid-Carbon	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	09/07/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	10/12/99	0.96	8.6	1.1	4.7	150
Mid-Carbon	10/12/99	<0.05	<0.05	<0.05	0.064	<5.0
Effluent	10/12/99	<0.05	<0.05	<0.05	0.063	<5.0
Influent	11/17/99	0.22	1.9	0.32	1.7	21
Mid-Carbon	11/17/99	0.067	<0.05	<0.05	<0.05	<5.0
Effluent	11/17/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	12/28/99	1.2	22	2.4	12	570
Mid-Carbon	12/28/99	0.052	<0.05	<0.05	<0.05	<5.0
Effluent	12/28/99	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	01/12/00	0.45	1.7	0.18	1.0	110
Mid-Carbon	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	01/12/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	01/26/00	0.059	0.77	0.19	1.1	14
Mid-Carbon	01/26/00	0.20	<0.05	<0.05	<0.05	<5.0
Effluent	01/26/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	02/06/00	0.095	1.4	0.18	0.87	22
Mid-Carbon	02/06/00	0.20	<0.05	<0.05	<0.05	<5.0
Effluent	02/06/00	<0.05	<0.05	<0.05	<0.05	<5.0

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Influent	02/09/00	0.45	3.1	0.52	2.8	59
Mid-Carbon	02/09/00	0.18	<0.05	<0.05	<0.05	<5.0
Effluent	02/09/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	03/16/00	0.10	3.5	0.54	4.1	46
Mid-Carbon	03/16/00	0.83	0.31	<0.05	<0.05	22
Effluent	03/16/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	04/04/00	0.17	1.9	0.29	2.0	23
Mid	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	04/04/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	05/12/00	<0.05	0.059	<0.05	0.091	<5.0
Mid	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	05/12/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	06/19/00	<0.05	0.12	<0.05	<0.05	<5.0
Mid	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	06/19/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	07/25/00	2.4	8.1	0.80	3.5	140
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4
Influent	07/25/00	2.4	8.1	0.80	3.5	140
Mid	07/25/00	<0.050	0.07	<0.050	<0.050	12
Effluent	07/25/00	<0.05	<0.05	<0.05	<0.05	5.4
Influent	08/09/00	2.4	8.1	0.80	3.5	140
Mid	08/09/00	<0.050	0.07	<0.050	<0.050	12
Effluent	08/09/00	<0.05	<0.05	<0.05	<0.05	5.4
Influent	09/06/00	2.4	8.1	0.80	3.5	140
Mid	09/06/00	<0.050	0.07	<0.050	<0.050	12
Effluent	09/06/00	<0.05	<0.05	<0.05	<0.05	5.4
Influent	10/17/00	<0.05	0.075	<0.05	0.14	<5.0
Mid	10/17/00	<0.050	0.07	<0.050	<0.050	<5.0
Effluent	10/17/00	<0.05	<0.05	<0.05	<0.05	<5.0

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Influent	11/29/00	<0.05	0.24	0.08	0.29	<5.0
Mid	11/29/00	<0.05	0.07	<0.05	0.18	<5.0
Effluent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0
Mid	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	01/07/01	0.12	0.85	0.16	0.92	17
Mid	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	02/23/01	0.19	1.6	0.19	1.1	32
Mid	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0
Influent	03/01/01	0.97	1.2	0.13	0.64	18
Mid	03/01/01	<0.05	0.053	<0.05	<0.098	<5.0
Effluent	03/01/01	<0.05	0.053	<0.05	0.13	<5.0
Infuent	10/17/00	<0.05	0.075	<0.05	0.14	<5.0
Mid-Carbon	10/17/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	10/17/00	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	11/29/00	<0.05	0.24	0.08	0.29	<5.0
Mid-Carbon	11/29/00	<0.05	0.07	<0.05	0.18	<5.0
Effluent	11/29/00	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	12/07/00	<0.05	0.13	<0.05	0.064	<5.0
Mid-Carbon	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	12/07/00	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	01/07/01	0.12	0.85	0.16	0.92	17
Mid-Carbon	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	01/07/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	02/23/01	0.19	1.6	0.19	1.1	32
Mid-Carbon	02/23/01	<0.05	0.07	<0.05	<0.05	<5.0
Effluent	02/23/01	<0.05	<0.05	<0.05	<0.05	<5.0

TABLE 3

SVE SYSTEM ANALYTICAL RESULTS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Sample ID	Date	Benzene (ppmv)	Toluene (ppmv)	Ethyl-benzene (ppmv)	Total Xylenes (ppmv)	TPH as gasoline (ppmv)
Infuent	03/01/01	0.97	1.2	0.13	0.64	18
Mid-Carbon	03/01/01	<0.05	0.053	<0.05	0.098	<5.0
Effluent	03/01/01	<0.05	0.11	<0.05	0.13	<5.0
Infuent	04/18/01	0.1	0.63	0.12	0.56	18
Mid-Carbon	04/18/01	<0.05	<0.05	<0.05	0.078	<5.0
Effluent	04/18/01	<0.05	<0.05	<0.05	0.11	<5.0
Infuent	05/21/01	0.088	1.0	0.31	1.5	20
Mid-Carbon	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	05/21/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	06/05/01	0.15	1.5	0.36	1.6	24
Mid-Carbon	06/05/01	<0.05	0.053	<0.05	0.098	9.1
Effluent	06/05/01	<0.05	<0.05	<0.05	<0.05	5.6
Infuent	07/16/01	<0.05	0.11	<0.05	0.14	<5.0
Mid-Carbon	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	07/16/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	08/24/01	0.15	1.1	0.16	0.71	19
Mid-Carbon	08/24/01	<0.05	0.055	<0.05	<0.05	<5.0
Effluent	08/24/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	09/06/01	0.28	1.8	0.38	1.6	37
Mid-Carbon	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	09/06/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	11/23/01	0.11	0.17	<0.05	0.10	<5.0
Mid-Carbon	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	11/23/01	<0.05	<0.05	<0.05	<0.05	<5.0
Infuent	12/13/01	O.076	0.16	<0.05	0.063	<5.0
Mid-Carbon	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0
Effluent	12/13/01	<0.05	<0.05	<0.05	<0.05	<5.0

TPH = Total petroleum hydrocarbons.

µg/L = Micrograms per liter.

ppmv = parts per million by volume.

TABLE 4
SVE SYSTEM THROUGHPUT CALCULATIONS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent Flow Rate (ft^3/min)	Effluent Flow Rate (ft^3/min)	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH Extraction Rate (lbs/day)	TPH Mass Emission (lbs/day)	Benzene Extraction Rate (lbs/day)	Benzene Emission Rate (lbs/day)	FID or LAB	**Cumulative TPH Extraction (lbs)**	Cumulative TPH Extraction (gallons)	Total Hours	Change in hours of operation
08/18/98	---	---	---	---	---	---	---	---	---	---	---	---	---	**1,715**	---	---	---
09/10/98	98	98	16	<5.0	0.16	<0.05	NC	NC	0.50	< 0.16	0.005	< 0.002	LAB	**1,721**	282	2,587	552
09/23/98	98	98	9.4	<5.0	0.16	<0.05	NC	NC	0.29	< 0.16	0.005	< 0.002	LAB	**1,726**	283	2,907	320
10/20/98	59	59	28	<5.0	0.63	<0.05	NC	NC	0.53	< 0.09	0.012	< 0.001	LAB	**1,727**	283	2,962	55
12/08/98	49	49	43	<5.0	0.73	<0.05	NC	NC	0.67	< 0.08	0.011	< 0.001	LAB	**1,727**	283	3,803	0*
01/13/99	49	49	6.5	5.4	0.068	<0.05	16.9	NC	0.10	0.08	0.001	< 0.001	LAB	**1,738**	285	4,495	692
02/10/99	44	44	56	<5.0	1.1	<0.05	NC	NC	0.79	< 0.07	0.016	< 0.001	LAB	**1,738**	285	4,496	1
03/10/99	15	15	<5.0	<5.0	0.07	<0.05	NC	NC	< 0.02	< 0.02	0.001	< 0.001	LAB	**1,750**	287	5,172	676
06/08/99	35	35	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	**1,750**	287	5,173	1
07/12/99	39	39	11	<5.0	0.16	<0.05	NC	NC	0.14	< 0.06	0.002	< 0.001	LAB	**1,753**	287	5,982	809
08/04/99	39	39	12	<5.0	0.092	<0.05	NC	NC	0.15	< 0.06	0.001	< 0.001	LAB	**1,756**	288	6,534	552
09/07/99	39	39	16	<5.0	0.069	<0.05	NC	NC	0.20	< 0.06	0.001	< 0.001	LAB	**1,762**	289	7,351	817
10/12/99	54	54	150	<5.0	0.96	<0.05	NC	NC	2.59	< 0.09	0.015	< 0.001	LAB	**1,772**	290	7,998	167**
11/17/99	49	49	21	<5.0	0.22	<0.05	NC	NC	0.33	< 0.08	0.003	< 0.001	LAB	**1,825**	299	8,866	868
12/28/00	49	49	570	<5.0	1.2	<0.05	NC	NC	8.96	< 0.08	0.017	< 0.001	LAB	**1,825**	299	8,867	1
01/12/00	79	79	110	<5.0	0.45	<0.05	NC	NC	2.77	< 0.13	0.010	< 0.001	LAB	**1,907**	313	9,202	335
01/26/00	79	79	14	<5.0	0.059	<0.05	NC	NC	0.35	< 0.13	0.001	< 0.001	LAB	**1,929**	316	9,540	338
02/09/00	79	79	59	<5.0	0.45	<0.05	NC	NC	1.48	< 0.13	0.010	< 0.001	LAB	**1,933**	317	9,662	122
03/16/00	79	79	46	<5.0	0.1	<0.05	NC	NC	1.16	< 0.13	0.002	< 0.001	LAB	**1,981**	325	10,525	863
04/04/00	41	41	23	<5.0	0.17	<0.05	NC	NC	0.30	< 0.07	0.002	< 0.001	LAB	**1,981**	325	10,526	2
05/12/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	**1,986**	326	11,164	638
06/19/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	**1,988**	326	12,071	907
07/11/00	41	41	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.07	< 0.07	< 0.001	< 0.001	LAB	**1,990**	326	12,601	530
07/25/00	41	41	140	< 5.4	2.4	<0.05	96.1	NC	1.85	0.07	0.029	< 0.001	LAB	**2,003**	328	12,937	336
08/09/00	41	41	2200	<5.0	25	<0.05	NC	NC	29.05	< 0.07	0.299	< 0.001	LAB	**2,004**	329	12,938	1
09/06/00	41	41	6.8	<5.0	<0.05	<0.05	NC	NC	0.09	< 0.07	< 0.001	< 0.001	LAB	**2,409**	395	13,606	668

TABLE 4
SVE SYSTEM THROUGHPUT CALCULATIONS

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

Date	Influent Flow Rate (ft^3/min)	Effluent Flow Rate (ft^3/min)	TPH Influent (ppmv)	TPH Effluent (ppmv)	Benzene Influent (ppmv)	Benzene Effluent (ppmv)	TPH Removal (%)	Benzene Removal (%)	TPH Extraction Rate (lbs/day)	TPH Mass Emission (lbs/day)	Benzene Extraction Rate (lbs/day)	Benzene Emission Rate (lbs/day)	FID or LAB	**Cumulative TPH Extraction (lbs)**	Cumulative TPH Extraction (gallons)	Total Hours	Change in hours of operation
10/17/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	**2,411**	395	14,054	448
11/29/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	**2,414**	396	15,062	1,008
12/07/00	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	**2,414**	396	15,328	266
01/19/01	87	87	17.0	<5.0	0.12	<0.05	NC	NC	< 0.47	< 0.14	< 0.003	< 0.001	LAB	**2,425**	397	16,259	931
02/23/01	67	67	32.0	<5.0	0.19	<0.05	NC	NC	< 0.69	< 0.11	< 0.004	< 0.001	LAB	**2,445**	401	17,096	837
03/01/01	60	60	18.0	<5.0	0.097	<0.05	NC	NC	< 0.35	< 0.10	< 0.002	< 0.001	LAB	**2,448**	401	17,247	151
04/18/01	62	62	18.0	<5.0	0.1	<0.05	NC	NC	< 0.36	< 0.10	< 0.002	< 0.001	LAB	**2,465**	404	18,396	1,149
05/21/01	65	65	20.0	<5.0	0.088	<0.05	NC	NC	< 0.42	< 0.10	< 0.002	< 0.001	LAB	**2,477**	406	19,160	764
06/05/01	78	78	24.0	<5.0	0.15	<0.05	NC	NC	< 0.60	< 0.12	< 0.003	< 0.001	LAB	**2,485**	407	19,514	354
07/16/01	40	40	<5.0	<5.0	<0.05	<0.05	NC	NC	< 0.06	< 0.06	< 0.001	< 0.001	LAB	**2,494**	409	20,157	643
08/24/01	45	45	19.0	<5.0	0.15	<0.05	NC	NC	< 0.27	< 0.07	< 0.002	< 0.001	LAB	**2,500**	410	21,098	941
09/06/01	50	50	37.0	<5.0	0.28	<0.05	NC	NC	< 0.59	< 0.08	< 0.004	< 0.001	LAB	**2,506**	411	21,406	308
11/23/01	60	60	<5.0	<5.0	0.11	<0.05	NC	NC	< 0.10	< 0.10	< 0.002	< 0.001	LAB	**2,518**	413	22,246	840
12/13/01	65	65	<5.0	<5.0	0.076	<0.05	NC	NC	< 0.10	< 0.10	< 0.001	< 0.001	LAB	**2,520**	413	22,728	482

* The system was running on ambient air, thus change in hours are zero.

** The system was running on ambient air from 9/22/99 to 10/12/99, the change in hours only represents time the system was extracting soil vapor.

NC = Not Calculated

GENERAL NOTES:
BASE MAP FROM U.S.G.S.
SAN LEANDRO, CA
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1980

QUADRANGLE LOCATION

N

0 2000 FT

SCALE 1:24,000

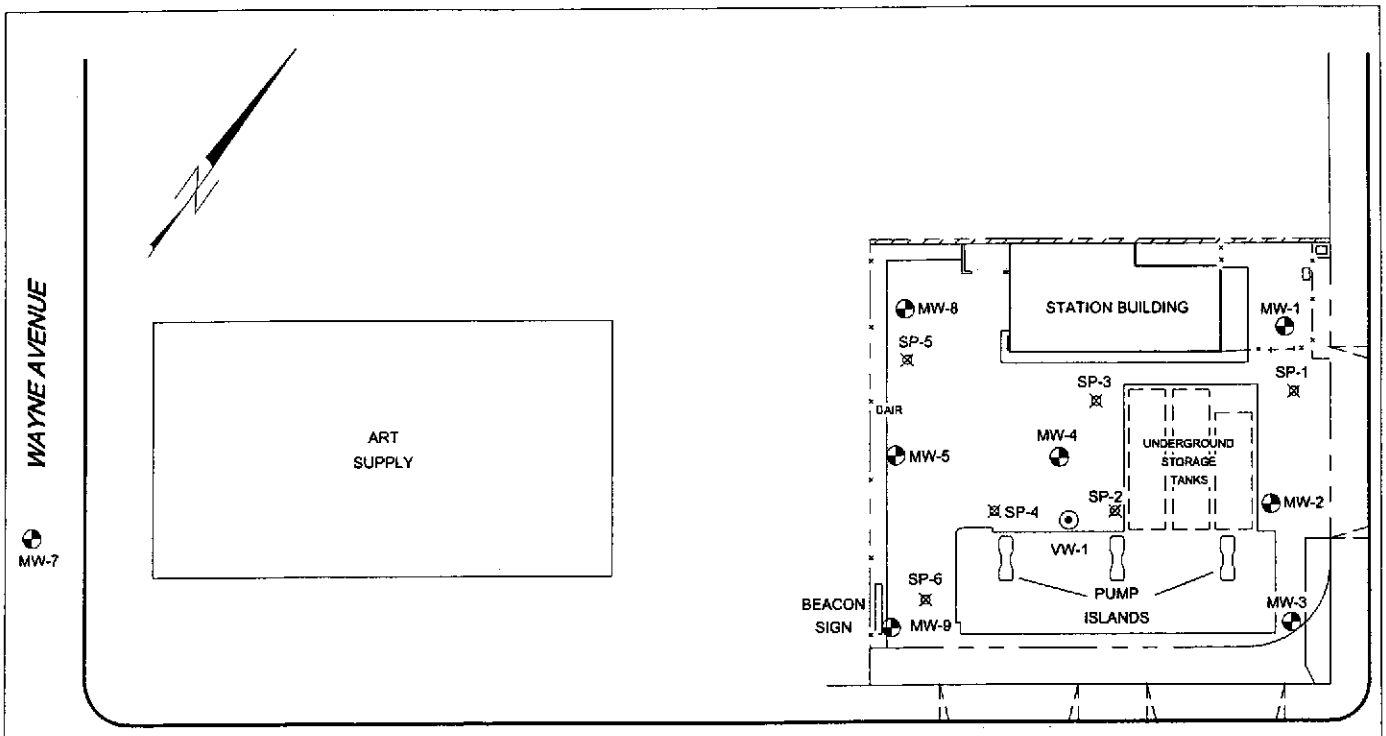
FIGURE 1

SITE LOCATION MAP

BEACON STATION NO 3720
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 12/18/01
FILE NO. 00-3720-1A	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

— - - —	PROPERTY LINE
—x—x—	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION

0 40 FT

SCALE

NOTES:

1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

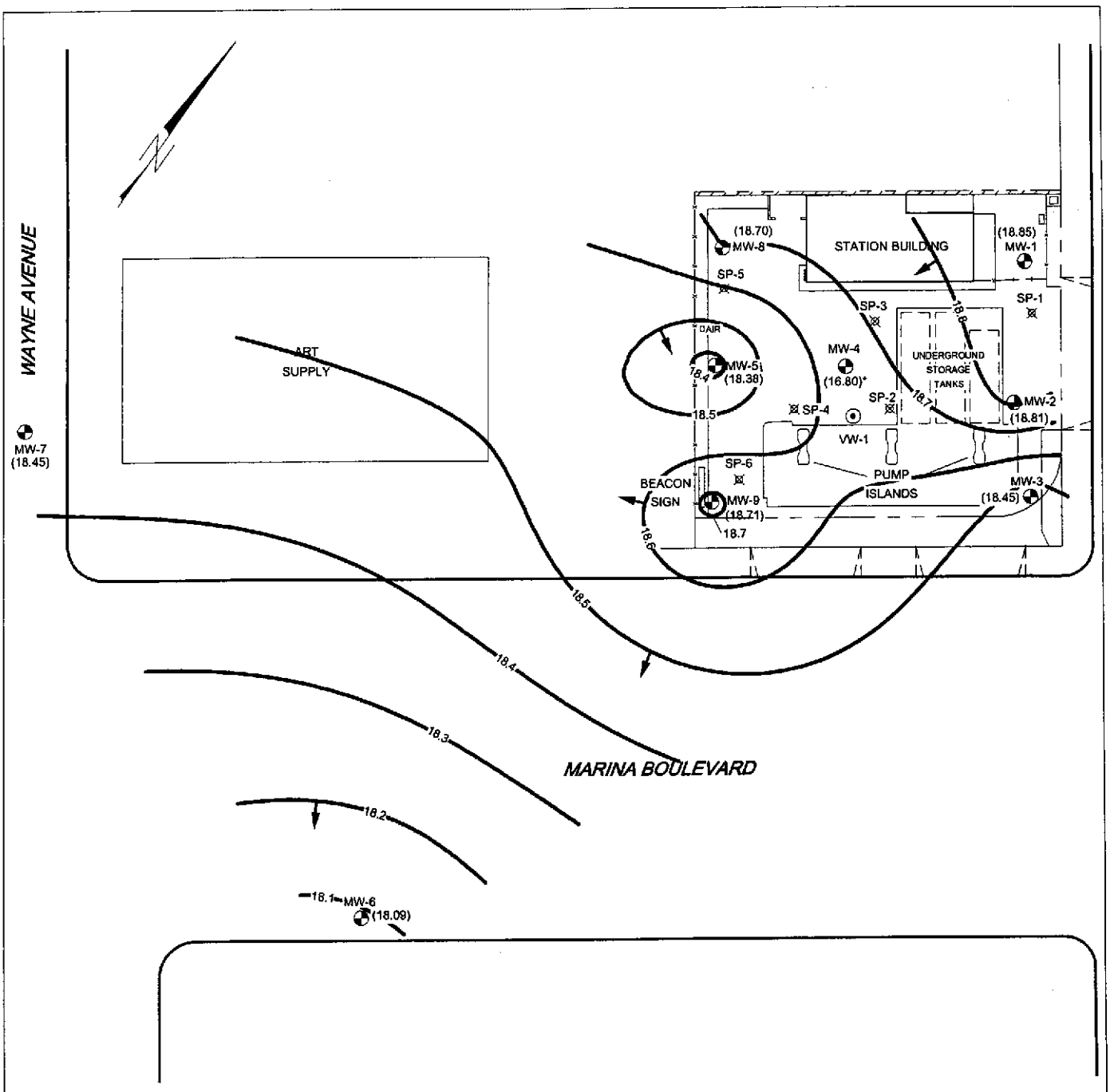
FIGURE 2

SITE MAP

BEACON STATION NO. 3720
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 12/18/01
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

— - - —	PROPERTY LINE
—x—x—	FENCE
MW-1	MONITORING WELL LOCATION
VW-1	VAPOR EXTRACTION WELL LOCATION
SP-1	AIR SPARGING WELL LOCATION
(18.85)	GROUND WATER ELEVATION IN FEET RELATIVE TO MEAN SEA LEVEL
—18.8—	WATER ELEVATION CONTOUR IN FEET RELATIVE TO MEAN SEA LEVEL
←	GROUND WATER FLOW DIRECTION

* MW-4 NOT USED FOR CONTOUR CONSTRUCTION

0 40 FT

SCALE

NOTES:

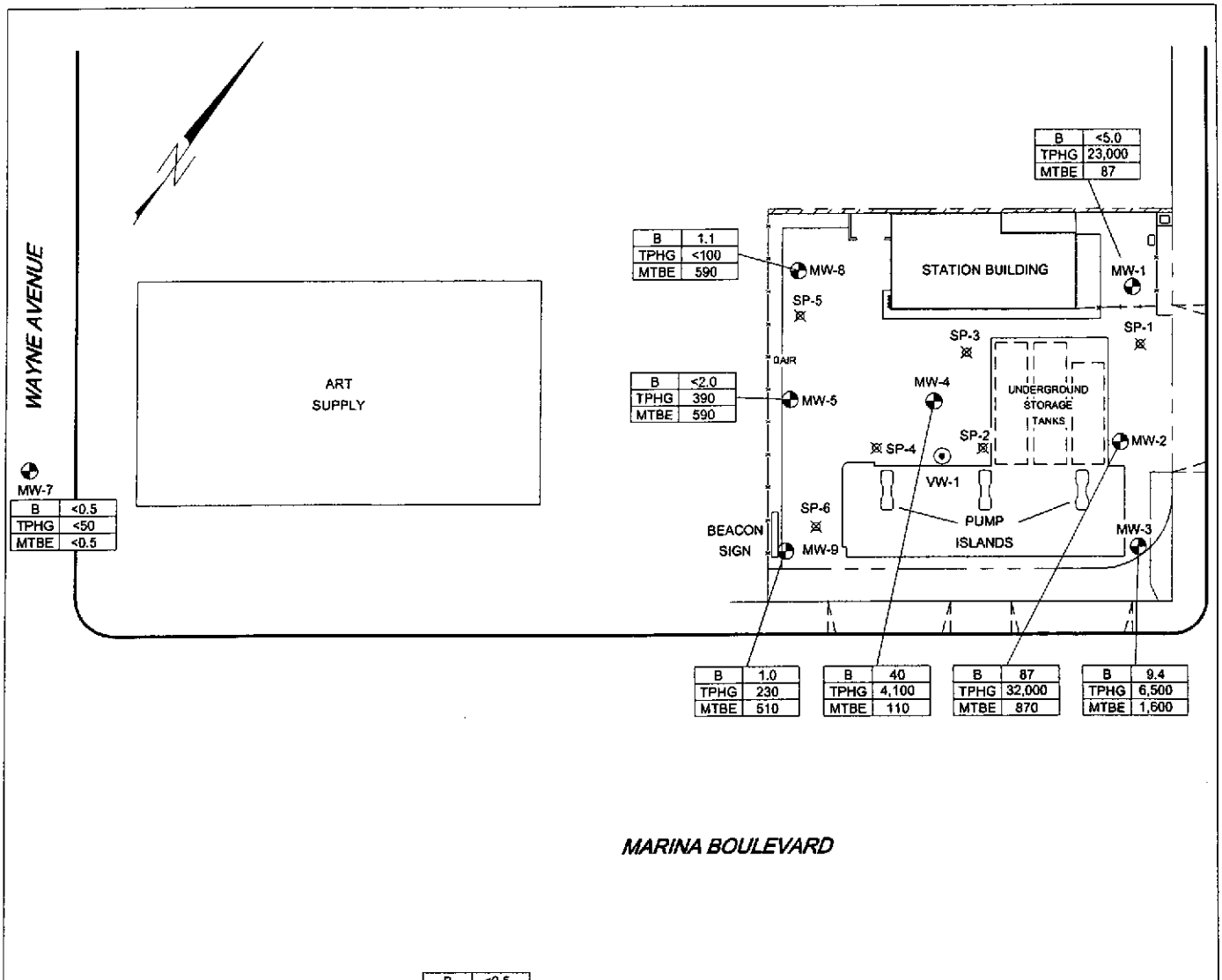
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 3
GROUND WATER ELEVATION CONTOUR MAP
11/7/01

BEACON STATION NO. 3720
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/02
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

- PROPERTY LINE
- FENCE
- MW-1 MONITORING WELL LOCATION
- VW-1 VAPOR EXTRACTION WELL LOCATION
- SP-1 AIR SPARGING WELL LOCATION

B	<0.5
TPHG	<50
MTBE	<0.5

B — BENZENE CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
TPHG — TOTAL PETROLEUM HYDROCARBONS AS GASOLINE IN ug/L
MTBE — METHYL TERTIARY BUTYL ETHER IN ug/L

0 40 FT
SCALE

NOTES:

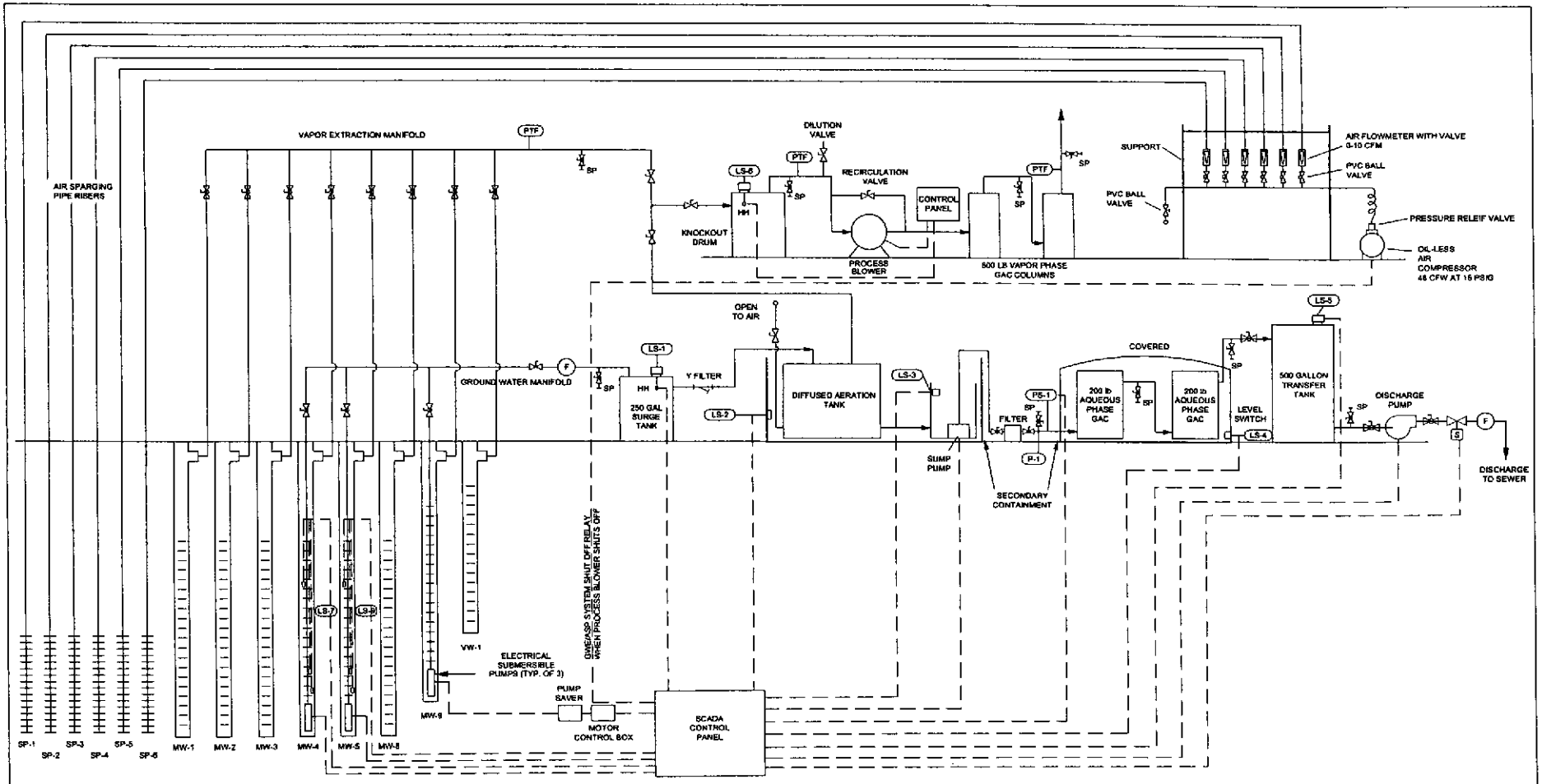
1. BASE MAP ADAPTED FROM FUGRO FIGURE DATED 10/24/95 SITE DIMENSIONS AND FACILTY LOCATIONS NOT VERIFIED.
2. MONITORING WELLS MW-6 AND MW-7 ARE OFF-SITE.

FIGURE 4
GROUNDWATER ANALYTICAL SUMMARY
11/7/01

BEACON STATION NO. 3720
1088 MARINA BOULEVARD
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 1/3/02
FILE NO. 00-3720-6	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY

R D M Environmental



LEGEND:

- BALL VALVE
- GATE VALVE
- SOLENOID VALVE
- SP — SAMPLE PORT
- PTF — PRESSURE, TEMPERATURE, FLOW MONITORING POINT
- F — FLOW TOTALIZER
- P-1 — PRESSURE GAUGE
- PS-1 — AQUEOUS PHASE CARBON PRESSURE SWITCH-PRESSURE SWITCH-SHUTS DATS/SUMP PUMP AND WELL PUMPS (W/REMOTE RESET)

- LS-1 — SURGE TANK:
  HIGH HIGH-SHUTS OFF WELL PUMPS (W/REMOTE RESET)
- LS-2 — SECONDARY CONTAINMENT VESSEL FOR DATS:
  HIGH HIGH SHUTS OFF WELL PUMPS
- LS-3 — DATS/SUMP:
  HIGH HIGH-SHUTS OFF WELL PUMPS
  HIGH-TURNS ON DATS SUMP PUMP
  LOW-TURNS OFF DATS SUMP PUMP
- LS-4 — SECONDARY CONTAINMENT VESSEL FOR AQUEOUS PHASE CARBON:
  HIGH HIGH-SHUTS OFF DATS/SUMP PUMP AND WELL PUMPS
- LS-5 — DISCHARGE HOLDING TANK:
  HIGH HIGH-SHUTS OFF DATS SUMP PUMP (W/REMOTE RESET)
  HIGH-TURNS ON TRANSFER PUMP AND OPENS SEWER SOLENOID VALVE
  LOW-TURNS OFF TRANSFER PUMP AND CLOSES SEWER SOLENOID VALVE
- LS-7 — RECOVERY WELL PROBES:
  HIGH-TURNS ON SUBMERSIBLE WELL PUMP (MW-4)-TO BE CONTROLLED BY RELAY IN PANEL
  LOW-TURNS OFF SUBMERSIBLE WELL PUMP (MW-4)-TO BE CONTROLLED BY RELAY IN PANEL
- LS-8 — RECOVERY WELL PROBES:
  HIGH-TURNS ON SUBMERSIBLE WELL PUMP (MW-5)-TO BE CONTROLLED BY RELAY IN PANEL
  LOW-TURNS OFF SUBMERSIBLE WELL PUMP (MW-5)-TO BE CONTROLLED BY RELAY IN PANEL

FIGURE 5
SOIL VAPOR EXTRACTION, AIR SPARGING, & GROUNDWATER PUMPING SYSTEM SCHEMATIC
BEACON STATION NO. 3720
1088 MARINA BLVD.
SAN LEANDRO, CA.

PROJECT NO. 00-3720	DRAWN BY M.L. 6/1/01
FILE NO. 00-3720-3	PREPARED BY RDM
REVISION NO. 4	REVIEWED BY

R D M Environmental

HISTORICAL BACKGROUND INFORMATION

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

PREVIOUS OWNER

- January 1987 - Three underground gasoline storage tanks and one waste oil tank were excavated and removed from two tank cavities. Samples collected from beneath the former tanks indicated that hydrocarbons were present in the soil.

- March 1987 - Five monitoring wells (MW-1 through MW-5) were installed by Conoco. Hydrocarbons were detected in soil and ground-water samples collected from the wells with the highest concentrations being detected in the area of MW-4.

- July 1987 - Four soil borings were drilled in the vicinity of MW-4 to further characterize the soil contamination in that area. TPH concentrations above 100 ppm were detected in each boring. The site has been on a monitoring program since June 1987.

ULTRAMAR INC.

- July 1990 - The site was purchased by Ultramar Inc. from Conoco. The monitoring program has continued.

- August 1991 - A shallow ground water study was performed as a screening tool to locate wells.

- October 1991 - Three additional wells were installed to further define the extent of the dissolved hydrocarbon plume.

- October 1993 - Performed a ground-water pump test, a vapor extraction test, and an air-sparging test.

- May 1994 - A Problem Assessment Report/Remedial Action Plan was submitted.

- December 1994 - One additional monitoring well, six air sparging points and one vapor extraction well were installed.

- June 1997 - Began operation of vapor extraction system.

- July 1997 - The ground water recovery system and the air sparging system began operation.

- September 7, 1999 - Performed quarterly monitoring. Continued to operate the vapor extraction and air sparging systems. The ground-water system did not operate during the quarter.

- As of March 1998, the ground water extraction system has processed approximately 228,850 gallons of water.

- On October 4, 2000, 1,500 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.

- On October 17, 2000, 1,200 gallons of ground water were over purged from Monitoring wells MW-2 and MW-3 using a vacuum truck. Analytical results are included in Table 2.

- On November 29, 2001, Approximately 1,800 gallons of ground water were extracted during the DPE test from MW-1 and MW-2.

HISTORICAL BACKGROUND INFORMATION

Beacon Station No. 3720
1088 Marina Boulevard
San Leandro, California

- On December 4, 2000, approximately 1,600 gallons of ground water were extracted during the DPE test.

- On January 4, 2001, approximately 1,000 gallons of ground water were extracted during the DPE test.

- The evaluation of these interim remediation events is included in the Doulos report entitled *Evaluation of Interim Remediation with Vacuum Truck/Dual Phase Extraction Events.*

ENCLOSURE B

Ground Water Sampling Information

DOULOS ENVIRONMENTAL, INC.
GROUNDWATER/LIQUID LEVEL DATA
(measurements in feet)

Project Address: Beacon # 3720 1088 Marina Blvd.
San Leandro, Ca.

Date: 11-7-01

Project No.: 3720-58

Recorded by:

Well No.	Time	Well Elev. TOC	Depth to Groundwater	Measured Total Depth	Groundwater Elevation	Depth to Product	Product Thickness	Comments
mw-1	8:37		14.25	17.74				
mw-2	8:34		13.99	22.71				
mw-3	8:30		13.85	28.41				
mw-4	8:40		16.10	27.42				
mw-5	8:50		14.32	28.81				
mw-6	8:23		12.31	14.85				
mw-7	8:20		12.75	25.50				
mw-8	8:46		15.10	28.02				
mw-9	8:54		13.85	24.60				

Notes:

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar Sampling Date: 11-7-01

Site: Beacon #3720 Project No.: _____

1088 Marina Blvd. Well Designation: MW-1

San Leandro, Ca.

Is setup of traffic control devices required? (NO) YES time: _____ hours

Is there standing water in the well box? (NO) YES Above TOC Below TOC

Is top of casing cut level? NO (YES) If no, see remarks

Is well cap sealed and locked? NO (YES) If no, see remarks

Height of well casing riser (in inches): (

Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____

12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____

12" CNI X 36" CNI _____ 12" Pomeco_____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump

_____ 2" PVC bailer _____ Dedicated bailer

_____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 8:37

Depth of well: 17.74

Depth to water: 14.25

Recharge Measurement

Time: 10:41

Depth to water: 15.90

Calculated purge: 2.2

Actual purge: 2.2

Start purge: 10:30 Sampling time: 10:42

Time	Temperature	E.C.	pH	Turbidity	Volume
10:31	66.1	1198	7.50		1
10:32	67.0	1190	7.41		2
10:33	67.8	1151	7.36		3
10:34	68.3	1140	7.33		4

Sample appearance: clear Lock: dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)

2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar Sampling Date: 11-7-01

Site: Beacon #3720 Project No.: _____

1088 Marina Blvd. Well Designation: MW-2

San Leandro, Ca.

Is setup of traffic control devices required? (NO) YES time: _____ hours

Is there standing water in the well box? (NO) YES Above TOC Below TOC

Is top of casing cut level? NO (YES) If no, see remarks

Is well cap sealed and locked? NO (YES) If no, see remarks

Height of well casing riser (in inches): 3

Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____

12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____

12" CNI X 36" CNI _____ 12" Pomeco_____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump

_____ 2" PVC bailer _____ Dedicated bailer

_____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 8:34

Depth of well: 22.71

Depth to water: 13.99

Recharge Measurement

Time: 10:20

Depth to water: 14.60

Calculated purge: 5.5

Actual purge: 5.5

Start purge: 10:10 Sampling time: 10:22

Time	Temperature	E.C.	pH	Turbidity	Volume
10:10	65.7	1190	7.51		1
10:11	65.3	1151	7.46		2
10:12	66.2	1136	7.42		3
10:13	66.7	1130	7.40		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)

2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar
Site: Beacon #3720
1088 Marina Blvd.
San Leandro, Ca.

Sampling Date: 11-7-01
Project No.: _____
Well Designation: MW-3

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in the well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 4
Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____
12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____
12" CNI X 36" CNI _____ 12" Pomeco_____ Other: _____
General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
_____ 2" PVC bailer _____ Dedicated bailer
_____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter:	2" X	4"	6"	8"
Purge Vol. Multiplier:	0.16	0.65	1.47	2.61 gal/ft.

Initial Measurement
Time: 8:30
Depth of well: 28.41
Depth to water: 13.85

Recharge Measurement
Time: 10:00
Depth to water: 15.90

Calculated purge: 9.3
Actual purge: 9.3

Start purge: 9:50 Sampling time: 10:00

Time	Temperature	E.C.	pH	Turbidity	Volume
9:51	66.3	1160	7.46		1
9:52	66.5	1116	7.49		2
9:53	66.4	1106	7.38		3
9:55	66.5	1100	7.31		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar
Site: Beacon #3720
1088 Marina Blvd.
San Leandro, Ca.

Sampling Date: 11-7-01
Project No.:
Well Designation: MW-4

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in the well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 8
Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____
12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____
12" CNI _____ ~~36" CNI~~ X 12" Pomeco_____ Other: _____
General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
_____ 2" PVC bailer _____ Dedicated bailer
_____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 8:40
Depth of well: 27.42
Depth to water: 16.10

Recharge Measurement
Time: 11:05
Depth to water: 17.93

Calculated purge: 7.2
Actual purge: 7.2

Start purge: 10:51 Sampling time: 11:06

Time	Temperature	E.C.	pH	Turbidity	Volume
10:52	67.2	1249	7.39		1
10:53	67.1	1250	7.40		2
10:54	66.8	1247	7.39		3
10:55	66.3	1245	7.38		4

Sample appearance: Clear Lock: Lock-Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar
Site: Beacon #3720
1088 Marina Blvd.
San Leandro, Ca.

Sampling Date: 11-7-01
Project No.: _____
Well Designation: MW-5

Is setup of traffic control devices required? (NO) YES time: _____ hours
Is there standing water in the well box? (NO) YES Above TOC Below TOC
Is top of casing cut level? NO (YES) If no, see remarks
Is well cap sealed and locked? NO (YES) If no, see remarks
Height of well casing riser (in inches): 6
Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____
12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____
12" CNI _____ 36" CNI X 12" Pomeco_____ Other: _____
General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
_____ 2" PVC bailer _____ Dedicated bailer
_____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 8:50
Depth of well: 28.81
Depth to water: 14.32

Recharge Measurement
Time: 11:41
Depth to water: 16.80

Calculated purge: 9.2
Actual purge: 9.2

Start purge: 11:33 Sampling time: 11:42

Time	Temperature	E.C.	pH	Turbidity	Volume
11:34	65.9	1170	7.51		1
11:35	66.1	1101	7.46		2
11:36	66.2	1050	7.32		3
11:37	66.4	1086	7.31		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar
Site: Beacon #3720
1088 Marina Blvd.
San Leandro, Ca.

Sampling Date: 11-7-01
Project No.: (
Well Designation: MW-6

Is setup of traffic control devices required? ~~NO~~ YES time: _____ hours
Is there standing water in the well box? ~~NO~~ YES Above TOC Below TOC
Is top of casing cut level? NO ~~YES~~ If no, see remarks
Is well cap sealed and locked? NO ~~YES~~ If no, see remarks
Height of well casing riser (in inches): 6
Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____
12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____
12" CNI _____ 36" CNI _____ 12" Pomeco X Other: _____
General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
_____ 2" PVC bailer _____ Dedicated bailer
_____ 4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 8:23
Depth of well: 14.85
Depth to water: 12.31

Recharge Measurement
Time: 9:31
Depth to water: 12.70

Calculated purge: 1.6
Actual purge: 1.6

Start purge: 9:20 Sampling time: 9:32

Time	Temperature	E.C.	pH	Turbidity	Volume
9:21	66.8°	1106	7.70		1
9:23	67.0	1101	7.61		2
9:24	67.1	1090	7.50		3
9:26	67.2	1089	7.46		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar
Site: Beacon #3720
1088 Marina Blvd.
San Leandro, Ca.

Sampling Date: 11-7-01
Project No.:
Well Designation: MW-7

Is setup of traffic control devices required? ~~NO~~ YES time: _____ hours
Is there standing water in the well box? ~~NO~~ YES Above TOC Below TOC
Is top of casing cut level? NO ~~YES~~ If no, see remarks
Is well cap sealed and locked? NO ~~YES~~ If no, see remarks
Height of well casing riser (in inches): 6
Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____
12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____
12" CNI _____ 36" CNI _____ 12" Pomeco X Other: _____
General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____2" disposable bailer _____Submersible pump
_____2" PVC bailer _____Dedicated bailer
_____4" PVC bailer X Centrifugal pump
Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement
Time: 8:20
Depth of well: 25.50
Depth to water: 12.75

Recharge Measurement
Time: 9:10
Depth to water: 13.83

Calculated purge: 8.1
Actual purge: 8.1

Start purge: 9:00 Sampling time: 9:11

Time	Temperature	E.C.	pH	Turbidity	Volume
9:01	63.8	1211	6.93		1
9:01	68.1	1206	6.90		2
9:02	66.2	1204	6.86		3
9:02	66.4	1200	6.81		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)
2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar Sampling Date: 11-7-01

Site: Beacon #3720 Project No.: _____

1088 Marina Blvd. Well Designation: MW-8

San Leandro, Ca.

Is setup of traffic control devices required? (NO) YES time: _____ hours

Is there standing water in the well box? (NO) YES Above TOC Below TOC

Is top of casing cut level? NO (YES) If no, see remarks

Is well cap sealed and locked? NO (YES) If no, see remarks

Height of well casing riser (in inches): 6

Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____

12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____

12" CNI X 36" CNI _____ 12" Pomeco_____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____2" disposable bailer _____Submersible pump

_____2" PVC bailer _____Dedicated bailer

_____4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 2:46

Depth of well: 28.02

Depth to water: 15.10

Recharge Measurement

Time: 11:20

Depth to water: 16.80

Calculated purge: 8.2

Actual purge: 8.2

Start purge: 11:15 Sampling time: 11:22

Time	Temperature	E.C.	pH	Turbidity	Volume
11:16	66.1	1170	7.34		1
11:17	66.4	1160	7.30		2
11:17	67.1	1152	7.27		3
11:18	67.3	1150	7.26		4

Sample appearance: Clear Lock: Dolphin

Equipment replaced: (check all that apply) Note condition of replaced item(s)

2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

·DOULOS ENVIRONMENTAL, INC. **SAMPLING INFORMATION SHEET**

Client: Ultramar Sampling Date: 11-7-01

Site: Beacon #3720 Project No.: _____

1088 Marina Blvd. Well Designation: MW-9

San Leandro, Ca.

Is setup of traffic control devices required? (NO) YES time: _____ hours

Is there standing water in the well box? (NO) YES Above TOC Below TOC

Is top of casing cut level? NO (YES) If no, see remarks

Is well cap sealed and locked? NO (YES) If no, see remarks

Height of well casing riser (in inches): 6

Well cover type: 8" or 12" UV_____ 12" EMCO_____ 8" or 12" BK_____ 8" Christy_____

12" Christy_____ 8" M&D_____ 12" M&D_____ 12" DWP _____

12" CNI _____ 36" CNI X 12" Pomeco_____ Other: _____

General condition of wellhead assembly: Excellent _____ Good X Fair_____ Poor_____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump

_____ 2" PVC bailer _____ Dedicated bailer

_____ 4" PVC bailer X Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer _____ Disposable Tubing_____

Well Diameter: 2" _____ 4" X 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 8:54

Depth of well: 24.60

Depth to water: 13.85

Recharge Measurement

Time: 12:16

Depth to water: 15.06

Calculated purge: 27.9

Actual purge: 27.9

Start purge: 12:00 Sampling time: 12:17

Time	Temperature	E.C.	pH	Turbidity	Volume
12:02	66.2	1403	7.53		1
12:05	66.1	1400	7.50		2
12:07	66.3	1391	7.40		3
12:10	66.4	1380	7.38		4

Sample appearance: clear Lock: NA

Equipment replaced: (check all that apply) Note condition of replaced item(s)

2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: _____

ENCLOSURE C

Ground Water Analytical Results

KIFF ANALYTICAL LLC

Report Number : 23336
Date : 11/26/2001

Richard Munsch
Doulos Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 9 Water Samples
Project Name : SAN LEANDRO 3720
Project Number :
P.O. Number : 3720-58

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 23336
Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**
Project Number :

Sample : **MW-1** Matrix : Water Lab Number : 23336-01
Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 5.0**	5.0	ug/L	EPA 8260B	11/15/2001
Toluene	**< 5.0**	5.0	ug/L	EPA 8260B	11/16/2001
Ethylbenzene	**1300**	5.0	ug/L	EPA 8260B	11/15/2001
Total Xylenes	**1600**	5.0	ug/L	EPA 8260B	11/15/2001
Methyl-t-butyl ether (MTBE)	**87**	5.0	ug/L	EPA 8260B	11/15/2001
TPH as Gasoline	**23000**	500	ug/L	EPA 8260B	11/15/2001
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/15/2001
4-Bromofluorobenzene (Surr)	93.1		% Recovery	EPA 8260B	11/15/2001

Sample : **MW-2** Matrix : Water Lab Number : 23336-02
Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**87**	5.0	ug/L	EPA 8260B	11/15/2001
Toluene	**170**	5.0	ug/L	EPA 8260B	11/15/2001
Ethylbenzene	**1400**	5.0	ug/L	EPA 8260B	11/15/2001
Total Xylenes	**3700**	10	ug/L	EPA 8260B	11/16/2001
Methyl-t-butyl ether (MTBE)	**870**	5.0	ug/L	EPA 8260B	11/15/2001
TPH as Gasoline	**32000**	500	ug/L	EPA 8260B	11/15/2001
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/15/2001
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/15/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 23336
Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

Sample : **MW-3** Matrix : Water Lab Number : 23336-03

Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**9.4**	0.50	ug/L	EPA 8260B	11/15/2001
Toluene	**1.8**	0.50	ug/L	EPA 8260B	11/15/2001
Ethylbenzene	**47**	0.50	ug/L	EPA 8260B	11/15/2001
Total Xylenes	**8.8**	0.50	ug/L	EPA 8260B	11/15/2001
Methyl-t-butyl ether (MTBE)	**1600**	2.5	ug/L	EPA 8260B	11/16/2001
TPH as Gasoline	**6500**	250	ug/L	EPA 8260B	11/16/2001
Toluene - d8 (Surr)	108		% Recovery	EPA 8260B	11/15/2001
4-Bromofluorobenzene (Surr)	97.7		% Recovery	EPA 8260B	11/15/2001

Sample : **MW-4** Matrix : Water Lab Number : 23336-04

Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**40**	2.0	ug/L	EPA 8260B	11/18/2001
Toluene	**270**	2.0	ug/L	EPA 8260B	11/18/2001
Ethylbenzene	**180**	2.0	ug/L	EPA 8260B	11/18/2001
Total Xylenes	**940**	2.0	ug/L	EPA 8260B	11/18/2001
Methyl-t-butyl ether (MTBE)	**110**	2.0	ug/L	EPA 8260B	11/18/2001
TPH as Gasoline	**4100**	200	ug/L	EPA 8260B	11/18/2001
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	11/18/2001
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/18/2001

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 23336

Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

Sample : **MW-5** Matrix : Water Lab Number : 23336-05

Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 2.0**	2.0	ug/L	EPA 8260B	11/16/2001
Toluene	**< 2.0**	2.0	ug/L	EPA 8260B	11/16/2001
Ethylbenzene	**2.1**	2.0	ug/L	EPA 8260B	11/16/2001
Total Xylenes	**20**	2.0	ug/L	EPA 8260B	11/16/2001
Methyl-t-butyl ether (MTBE)	**590**	2.0	ug/L	EPA 8260B	11/16/2001
TPH as Gasoline	**390**	200	ug/L	EPA 8260B	11/16/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/16/2001
4-Bromofluorobenzene (Surr)	99.9		% Recovery	EPA 8260B	11/16/2001

Sample : **MW-6** Matrix : Water Lab Number : 23336-06

Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/16/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/16/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/16/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/16/2001
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/16/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/16/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/16/2001
4-Bromofluorobenzene (Surr)	98.3		% Recovery	EPA 8260B	11/16/2001

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 23336
Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**
Project Number :

Sample : **MW-7** Matrix : Water Lab Number : 23336-07
Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/15/2001
Toluene - d8 (Surr)	98.0		% Recovery	EPA 8260B	11/15/2001
4-Bromofluorobenzene (Surr)	84.9		% Recovery	EPA 8260B	11/15/2001

Sample : **MW-8** Matrix : Water Lab Number : 23336-08
Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.1**	1.0	ug/L	EPA 8260B	11/17/2001
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	11/17/2001
Ethylbenzene	**2.0**	1.0	ug/L	EPA 8260B	11/17/2001
Total Xylenes	**6.1**	1.0	ug/L	EPA 8260B	11/17/2001
Methyl-t-butyl ether (MTBE)	**590**	1.0	ug/L	EPA 8260B	11/17/2001
TPH as Gasoline	**< 100**	100	ug/L	EPA 8260B	11/17/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/17/2001
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	11/17/2001

Approved By: Joel Kiff

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KIFF ANALYTICAL LLC

Report Number : 23336
Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

Sample : **MW-9** Matrix : Water Lab Number : 23336-09

Sample Date :11/7/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**1.0**	1.0	ug/L	EPA 8260B	11/16/2001
Toluene	**< 1.0**	1.0	ug/L	EPA 8260B	11/16/2001
Ethylbenzene	**< 1.0**	1.0	ug/L	EPA 8260B	11/16/2001
Total Xylenes	**< 1.0**	1.0	ug/L	EPA 8260B	11/16/2001
Methyl-t-butyl ether (MTBE)	**510**	1.0	ug/L	EPA 8260B	11/16/2001
TPH as Gasoline	**230**	100	ug/L	EPA 8260B	11/16/2001
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	11/16/2001
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	11/16/2001

Approved By: Joel Kiff

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Report Number : 23336

Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

23336 Quality Control Data - Method Blank

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
Methyl-t-butyl ether (MTBE)	**< 0.50**	0.50	ug/L	EPA 8260B	11/15/2001
TPH as Gasoline	**< 50**	50	ug/L	EPA 8260B	11/15/2001
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	11/15/2001
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	11/15/2001

Approved By: Joel Kiff

Report Number : 23336

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Spike Recovery Data														
Benzene	23192-01	10	19.7	20.1	28.1	28.1	ug/L	EPA 8260B	11/15/2001	90.3	88.6	1.89	70-130	25
Toluene	23192-01	0.85	19.7	20.1	19.8	19.7	ug/L	EPA 8260B	11/15/2001	96.4	93.9	2.65	70-130	25
Tert-Butanol	23192-01	22	98.4	100	126	126	ug/L	EPA 8260B	11/15/2001	105	104	1.56	70-130	25
Methyl-t-Butyl Ether	23192-01	220	19.7	20.1	260	259	ug/L	EPA 8260B	11/15/2001	197	188	4.47	70-130	25

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

Report Number : 23336

QC Report : Laboratory Control Sample (LCS)

Date : 11/26/2001

Project Name : **SAN LEANDRO 3720**

Project Number :

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	19.3	ug/L	EPA 8260B	11/15/200	112	70-130
Toluene	19.3	ug/L	EPA 8260B	11/15/200	107	70-130
Tert-Butanol	96.6	ug/L	EPA 8260B	11/15/200	107	70-130
Methyl-t-Butyl Ether	19.3	ug/L	EPA 8260B	11/15/200	106	70-130

Approved By: Joel Kiff

KIFF ANALYTICAL, LLC

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4803

23336

Lab No.: ~~[illegible]~~

Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: RICHARD MUNSCH	Phone No.:
Company/Address:	FAX No.:
Project Number:	P.O. No.: 3720-58
Email Address:	☐.pdf ☐.xls ☐.doc ☐other
Project Name:	Sampler Signature: Edgar Olivetan
Project Location: SAN LEANDRO 3720	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
MW-1	11-7-01	10:42	3		X		X		X						X									STD	01
MW-2		10:22	3																						02
MW-3		10:00																							03
MW-4		11:06																							04
MW-5		11:42																							05
MW-6		9:32																							06
MW-7		9:11																							07
MW-8		11:22																							08
MW-9		12:17																							09

Relinquished by:	Date	Time	Received by:
[signature]			
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	11/8/01	1315	Harold Baum KIFF

Remarks:

Bill to: JOE ALDRIDGE

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 062801.fh9

ENCLOSURE D

Historical Ground Water Monitoring Data

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-1	03/30/92	33.10	13.58	19.52	---	
	07/01/92		14.80	18.30	---	
	09/30/92		16.12	16.98	---	
	11/19/92		16.34	16.76	27.76	
	02/03/93		12.61	20.49	27.72	
	05/25/93		13.12	19.98	27.70	
	09/22/93		14.18	18.92	27.73	
	12/21/93		14.36	18.74	27.70	
	03/18/94		13.64	19.46	27.67	
	06/15/94		14.30	18.80	27.69	
	09/14/94		15.18	17.92	27.66	
	12/19/94		13.79	19.31	27.70	
	12/21/95		13.86	19.24	---	
	03/07/95		12.74	20.36	29.51	
	06/08/95		12.95	20.15	29.54	
	09/22/95		13.94	19.16	29.54	
	12/27/95		13.57	19.53	29.92	
	03/26/96		12.13	20.97	29.90	
	06/13/96		13.10	20.00	17.02	
	09/10/96		14.08	19.02	17.03	
	12/05/96		13.41	19.69	17.05	
	03/10/97		12.70	20.40	17.04	
	06/12/97		13.68	19.42	17.04	
	08/19/97		14.31	18.79	17.01	
	12/13/97		13.19	19.91	17.01	
MW-2	03/30/92	32.80	13.32	19.48	---	
	07/01/92		14.42	18.38	---	
	09/30/92		15.78	17.02	---	
	11/19/92		15.99	16.81	24.56	
	02/03/93		12.31	20.49	25.37	
	05/25/93		12.97	19.83	25.31	
	09/22/93		14.32	18.48	25.34	
	12/21/93		14.52	18.28	25.31	
	03/18/94		13.45	19.35	25.49	
	06/15/94		14.07	18.73	25.50	
	09/14/94		14.96	17.84	25.50	
	12/19/94		13.64	19.16	25.52	
	12/21/95		13.71	19.09	---	
	03/07/95		12.54	20.26	25.87	
	06/08/95		12.81	19.99	25.86	
	09/22/95		13.66	19.14	25.80	
	12/27/95		13.42	19.38	25.83	
	03/26/96		12.05	20.75	25.83	
	06/13/96		12.79	20.01	26.39	
	09/10/96		13.73	19.07	26.43	
	12/05/96		13.29	19.51	26.45	
	03/10/97		12.42	20.38	26.48	
	06/12/97		13.18	19.62	26.50	
	08/19/97		13.94	18.86	26.52	
	12/13/97		12.91	19.89	19.02	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-3	03/30/92	32.30	12.96	19.34	---	
	07/01/92		14.00	18.30	---	
	09/30/92		15.36	16.94	---	
	11/19/92		15.57	16.73	24.45	
	02/03/93		11.96	20.34	24.54	
	05/25/93		14.12	18.18	24.50	
	09/22/93		13.88	18.42	24.50	
	12/21/93		14.12	18.18	24.50	
	03/18/94		13.04	19.26	24.57	
	06/15/94		13.65	18.65	24.78	
	09/14/94		14.54	17.76	24.59	
	12/19/94		13.28	19.02	24.71	
	12/21/95		13.30	19.00	---	
	03/07/95		12.26	20.04	26.03	
	06/08/95		12.42	19.88	26.02	
	09/22/95		13.25	19.05	26.00	
	12/27/95		13.04	19.26	26.00	
	03/26/96		11.62	20.68	26.01	
	06/13/96		12.61	19.69	28.45	
	09/10/96		13.49	18.81	28.42	
	12/05/96		13.07	19.23	28.42	
	03/10/97		12.23	20.07	28.41	
	06/12/97		12.94	19.36	28.44	
	08/19/97		12.85	19.45	28.45	
	12/13/97		12.45	19.85	28.43	
MW-4	03/30/92	32.90	13.60	19.30	---	
	07/01/92		15.72	17.18	---	
	09/30/92		16.04	16.86	---	
	11/19/92		16.21	16.69	26.92	
	02/03/93		12.70	20.20	27.00	
	05/25/93		12.97	19.93	26.88	
	09/22/93		14.51	18.39	26.90	
	12/21/93		14.75	18.15	26.90	
	03/18/94		13.68	19.22	27.24	
	06/15/94		14.37	18.53	28.54	
	09/14/94		15.23	17.67	27.25	
	12/19/94		13.93	18.97	28.61	
	12/21/95		13.99	18.91	---	
	03/07/95		12.86	20.04	28.64	
	06/08/95		13.10	19.80	28.68	
	09/22/95		13.98	18.92	28.71	
	12/27/95		13.74	19.16	28.71	
	03/26/96		12.30	20.60	28.70	
	06/13/96		13.18	19.72	27.86	
	09/10/96		14.22	18.68	27.40	
	12/05/96		13.65	19.25	27.40	
	03/10/97		12.79	20.11	27.42	
	06/12/97		13.51	19.39	27.40	
	08/19/97		14.29	18.61	27.40	
	12/13/97		13.43	19.47	27.43	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-5	03/30/92	32.70	13.48	19.22	---	
	07/01/92		14.58	18.12	---	
	09/30/92		15.82	16.88	---	
	11/19/92		16.00	16.70	27.56	
	02/03/93		12.40	20.30	27.61	
	05/25/93		13.01	19.69	27.61	
	09/22/93		14.37	18.33	27.64	
	12/21/93		14.58	18.12	27.01	
	03/18/94		13.53	19.17	28.70	
	06/15/94		14.18	18.52	28.74	
	09/14/94		15.07	17.63	28.70	
	12/19/94		13.74	18.96	28.76	
	12/21/95		13.84	18.86	---	
	03/07/95		12.73	19.97	28.88	
	06/08/95		12.99	19.71	28.87	
	09/22/95		13.83	18.87	28.85	
	12/27/95		13.59	19.11	28.85	
	03/26/96		12.20	20.50	28.84	
	06/13/96		12.98	19.72	28.84	
	09/10/96		13.96	18.74	28.87	
	12/05/96		13.36	19.34	28.87	
	03/10/97		12.74	19.96	28.86	
	06/12/97		13.06	19.64	28.83	
	08/19/97		14.21	18.49	28.82	
	12/13/97		13.51	19.19	28.85	
MW-6	03/30/92	30.40	12.62	17.78	---	
	07/01/92		12.70	17.70	---	
	09/30/92		13.40	17.00	---	
	11/19/92		13.59	16.81	15.10	
	02/03/93		12.43	17.97	15.01	
	05/25/93		---	---	---	*
	10/11/93		12.82	17.58	15.10	
	12/21/93		13.06	17.34	15.10	
	03/18/94		12.16	18.24	15.16	
	06/15/94		12.59	17.81	15.17	
	09/14/94		12.86	17.54	14.97	
	12/19/94		12.48	17.92	15.19	
	12/21/95		11.61	18.79	---	
	03/07/95		12.37	18.03	14.98	
	06/08/95		11.14	19.26	15.00	
	09/22/95		12.44	17.96	15.00	
	12/27/95		12.21	18.19	14.98	
	03/26/96		12.26	18.14	14.97	
	06/13/96		12.55	17.85	14.98	
	09/10/96		12.31	18.09	15.01	
	12/05/96		12.22	18.18	15.00	
	03/10/97		12.19	18.21	15.01	
	06/12/97		12.28	18.12	14.97	
	08/19/97		12.30	18.10	14.98	
	12/13/97		11.93	18.47	14.93	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-7	03/30/92	31.20	12.34	18.86	---	
	07/01/92		15.54	15.66	---	
	09/30/92		14.64	16.56	---	
	11/19/92		14.80	16.40	25.10	
	02/03/93		11.36	19.84	25.02	
	05/25/93		---	---	---	*
	09/22/93		13.18	18.02	25.01	
	12/21/93		13.42	17.78	25.02	
	03/18/94		12.36	18.84	25.13	
	06/15/94		13.01	18.19	25.21	
	09/14/94		13.88	17.32	25.13	
	12/19/94		12.61	18.59	25.23	
	12/21/95		12.38	18.82	---	
	03/07/95		11.56	19.64	25.22	
	06/08/95		11.82	19.38	25.20	
	09/22/95		12.67	18.53	25.23	
	12/27/95		12.34	18.86	25.23	
	03/26/96		11.03	20.17	25.21	
	06/13/96		11.76	19.44	25.20	
	09/10/96		12.71	18.49	24.56	
	12/05/96		12.32	18.88	24.56	
	03/10/97		11.38	19.82	24.53	
	06/12/97		12.28	18.92	24.52	
	08/19/97		12.92	18.28	24.52	
	12/13/97		11.69	19.51	24.50	
MW-8	03/30/92	33.80	14.66	19.14	---	
	07/01/92		15.74	18.06	---	
	09/30/92		17.00	16.80	---	
	11/19/92		17.01	16.79	29.75	
	02/03/93		13.83	19.97	29.88	
	05/25/93		13.01	20.79	29.86	
	09/22/93		15.81	17.99	24.52	
	12/21/93		16.05	17.75	29.86	
	03/18/94		14.62	19.18	29.87	
	06/15/94		15.29	18.51	30.07	
	09/14/94		16.22	17.58	29.87	
	12/19/94		14.81	18.99	30.05	
	12/21/95		14.89	18.91	---	
	03/07/95		13.75	20.05	29.94	
	06/08/95		13.98	19.82	29.93	
	09/22/95		14.92	18.88	29.95	
	12/27/95		14.61	19.19	29.92	
	03/26/96		13.09	20.71	29.73	
	06/13/96		13.81	19.99	27.92	
	09/10/96		14.80	19.00	27.95	
	12/05/96		14.05	19.75	27.96	
	03/10/97		13.40	20.40	27.98	
	06/12/97		14.31	19.49	27.95	
	08/19/97		13.85	19.95	27.94	
	12/13/97		13.92	19.88	27.93	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(Measurements in feet)

Monitoring Well	Date	Reference Elevation (top of casing)[1]	Depth to Ground Water[1]	Ground Water Elevation[2]	Well Depth	Comments
MW-9	12/21/95	32.56	13.76	18.80	---	
	03/07/95		12.79	19.77	24.71	
	06/08/95		12.96	19.60	24.70	
	09/22/95		13.73	18.83	24.72	
	12/27/95		13.53	19.03	24.71	
	03/26/96		12.27	20.29	24.70	
	06/13/96		12.84	19.72	24.53	
	09/10/96		13.49	19.07	24.58	
	12/05/96		13.18	19.38	24.60	
	03/10/97		12.25	20.31	24.66	
	06/12/97		12.70	19.86	24.66	
	08/19/97		17.89	14.67	24.68	
	12/13/97		15.79	16.77	24.68	

NOTES:
1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.
2 = Elevation referenced to mean sea level.
Well Depth = Measurement from top of casing to bottom of well.
--- = Not measured.
* = Well paved over.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	03/30/92	27,000		630	550	540	1,900
	07/01/92	55,000		840	1,000	830	3,600
	09/30/92	6,400		150	95	120	470
	11/19/92	1,300		90	11	50	87
	02/03/93	53,000		750	560	950	5,700
	05/25/93	9,400		200	86	470	1,500
	09/22/93	41,000		1,000	510	850	1,100
	12/21/93	41,000		1,000	490	2,700	13,000
	03/18/94	9,500		320	160	830	2,900
	06/15/94	8,000		310	80	990	2,300
	09/14/94	3,600		130	31	390	630
	12/19/94	17,000		350	150	1,500	5,200
	03/07/95	12,000		180	62	1,200	3,200
	06/08/95	6,300		76	8	560	860
	09/22/95	12,000		140	55	1,500	2,500
	12/27/95	3,900		60	13	480	870
	03/26/96	6,400		42	4.9	560	600
	06/13/96	9,600	<50	86	39	1,100	1,700
	09/10/96	16,000	<50	65	35	1,500	2,700
	12/05/96	6,400	<25	25	11	570	930
	03/10/97	15,000	<50	42	<5.0	1,400	1,500
	06/12/97	16,000	<100	33	34	1,100	1,700
	08/19/97	17,000	<100	47	14	1,300	2,200
	12/13/97	5,800	<100	20	35	360	470
MW-2	03/30/92	52,000		2,300	1,700	940	3,300
	07/01/92	130,000		3,500	2,900	1,900	7,900
	09/30/92	24,000		890	350	500	1,700
	11/19/92	32,000		1,900	1,700	870	3,400
	02/03/93	64,000		1,900	2,200	860	4,100
	05/25/93	34,000		3,300	1,500	1,300	5,900
	09/22/93	8,000		640	150	270	2,000
	12/21/93	18,000		1,500	410	1,300	5,000
	03/18/94	14,000		1,600	790	1,100	3,700
	06/15/94	13,000		1,600	580	1,200	4,100
	09/14/94	20,000		1,600	560	1,800	6,400
	12/19/94	19,000		1,700	750	1,600	5,800
	03/07/95	17,000		1,900	980	1,300	5,100
	06/08/95	19,000		2,100	740	1,500	4,900
	09/22/95	12,000		840	170	1,100	3,400
	12/27/95	16,000		1,100	540	1,400	5,100
	03/26/96	11,000		930	520	970	3,000
	06/13/96	11,000	1,200	1,800	1,400	1,500	4,500
	09/10/96	19,000	1,100	1,600	600	1,600	5,000
	12/05/96	12,000	180	650	180	1,000	2,800
	03/10/97	6,800	69	430	95	590	1,800
	06/12/97	20,000	100	610	140	1,500	4,300
	08/19/97	3,600	<100	250	10	250	250
	12/13/97	8,300	75	370	150	450	1,600

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-3	03/30/92	21,000		560	50	630	980
	07/01/92	13,000		150	20	22	300
	09/30/92	4,500		53	2.6	84	96
	11/19/92	4,700		73	6.2	140	120
	02/03/93	23,000		220	40	430	740
	05/25/93	9,900		120	26	370	520
	09/22/93	10,000		370	71	320	640
	12/21/93	7,800		130	8.5	430	380
	03/18/94	3,100		22	1.3	78	41
	06/15/94	1,700		8.6	1.4	22	15
	09/14/94	1,400		3.8	<1.3	13	18
	12/19/94	3,800		70	1.7	140	110
	03/07/95	2,200		9.4	<1.3	30	21
	06/08/95	1,700		5.8	<1.3	2.3	14
	09/22/95	1,200		<1.3	<1.3	1.3	<1.3
	12/27/95	1,300		2.4	<1.3	3.3	3.6
	03/26/96	1,200		4.3	<1.3	4.2	2
	06/13/96	1,300	28	5.1	<0.50	21	6.5
	09/10/96	810	<5.0	1.4	4.8	1.6	2.1
	12/05/96	590	<5.0	<0.50	3.2	0.79	0.52
	03/10/97	650	<5.0	0.73	3.8	2.4	1.6
	06/12/97	710	<5.0	<0.50	3.5	2.9	3.6
	08/19/97	1,400	13	2.2	0.58	11	34
	12/13/97	810	<5.0	0.96	<0.50	0.54	1.8
MW-4	03/30/92	76,000		8,000	4,400	730	2,500
	07/01/92	95,000		6,900	2,200	70	880
	09/30/92	58,000		7,100	1,500	650	2,700
	11/19/92	33,000		5,500	840	400	1,400
	02/03/93	130,000		8,200	6,700	940	4,400
	05/25/93	63,000		16,000	6,600	1,700	8,100
	09/22/93	23,000		6,900	940	150	3,000
	12/21/93	28,000		6,900	1,900	1,100	5,500
	03/18/94	58,000		17,000	6,300	2,500	10,000
	06/15/94	59,000		20,000	4,900	2,500	9,100
	09/14/94	73,000		22,000	6,800	2,700	10,000
	12/19/94	67,000		20,000	8,300	2,300	9,100
	03/07/95	57,000		19,000	7,900	2,200	8,700
	06/08/95	61,000		17,000	6,300	2,700	9,000
	09/22/95	37,000		12,000	2,200	1,400	3,500
	12/27/95	39,000		12,000	6,000	1,800	5,800
	03/26/96	31,000		9,600	3,700	2,300	6,200
	06/13/96	240	89	64	0.93	1.8	2.7
	09/10/96	91,000	2,900	13,000	20,000	3,200	16,000
	12/05/96	16,000	1,200	3,700	3,100	580	2,800
	03/10/97	630	530	91	<0.50	<0.50	0.8
	06/12/97	36,000	1,100	4,600	5,300	1,200	5,500
	08/19/97	12,000	390	420	88	61	520
	12/13/97	4,800	360	560	740	130	1,100

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-5	03/30/92	29,000		2,600	980	390	1,100
	07/01/92	52,000		2,400	1,000	5,200	2,000
	09/30/92	32,000		1,800	780	370	1,700
	11/19/92	7,800		1,000	280	120	370
	02/03/93	74,000		3,500	3,000	780	3,200
	05/25/93	57,000		7,900	4,700	1,900	7,800
	09/22/93	52,000		7,600	2,400	1,200	8,800
	12/21/93	23,000		3,600	1,200	970	3,600
	03/18/94	47,000		8,200	5,000	1,400	6,100
	06/15/94	28,000		7,900	4,000	1,200	5,200
	09/14/94	32,000		8,000	5,100	1,400	5,600
	12/19/94	29,000		7,000	3,400	1,200	5,200
	03/07/95	36,000		9,800	5,800	1,800	7,800
	06/08/95	33,000		7,700	3,800	1,500	6,200
	09/22/95	39,000		9,500	3,800	1,900	7,000
	12/27/95	42,000		9,700	5,000	2,200	8,800
	03/26/96	37,000		9,800	4,900	2,300	8,800
	06/13/96	18,000	1,400	5,500	2,200	1,500	5,300
	09/10/96	22,000	860	5,600	1,400	1,100	3,500
	12/05/96	24,000	650	5,100	2,500	1,400	4,700
	03/10/97	28,000	760	6,800	2,700	1,300	5,700
	06/12/97	49,000	700	7,500	3,200	2,300	9,200
	08/19/97	24,000	1,600	4,700	990	1,400	4,500
	12/13/97	18,000	360	2,700	760	630	4,200
MW-6	03/30/92	73		2.1	1.1	ND	0.6
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		0.73	ND	ND	0.58
	11/19/92	96		1.5	<0.5	<0.5	0.9
	02/03/93	73		0.6	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	10/11/93	<50		<0.5	<0.5	<0.5	<0.5
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/10/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-7	03/30/92	ND		ND	ND	ND	ND
	07/01/92	ND		ND	ND	ND	ND
	09/30/92	ND		ND	ND	ND	ND
	11/19/92	<50		<0.5	<0.5	<0.5	<0.5
	02/03/93	<50		<0.5	<0.5	<0.5	<0.5
	05/25/93	NS		NS	NS	NS	NS
	09/22/93	<50		0.51	0.82	<0.5	0.81
	12/21/93	<50		<0.5	<0.5	<0.5	<0.5
	03/18/94	<50		<0.5	<0.5	<0.5	<0.5
	06/15/94	<50		<0.5	<0.5	<0.5	<0.5
	09/14/94	<50		<0.5	<0.5	<0.5	<0.5
	12/19/94	<50		<0.5	<0.5	<0.5	<0.5
	03/07/95	<50		<0.5	<0.5	<0.5	<0.5
	06/08/95	<50		<0.5	<0.5	<0.5	<0.5
	09/22/95	<50		<0.50	<0.50	<0.50	<0.50
	12/27/95	<50		<0.50	<0.50	<0.50	<0.50
	03/26/96	<50		<0.50	<0.50	<0.50	<0.50
	06/13/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	09/10/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/05/96	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	03/07/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	06/12/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	08/19/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/13/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-8	03/30/92	3,000		1,700	880	970	1,900
	07/01/92	72,000		1,800	550	520	2,200
	09/30/92	12,000		680	140	140	560
	11/19/92	9,600		530	310	130	560
	02/03/93	44,000		1,500	1,300	490	2,300
	05/25/93	7,400		580	160	170	480
	09/22/93	2,400		490	45	37	140
	12/21/93	1,400		240	7.5	<2.5	82
	03/18/94	8,600		1,600	680	470	1,900
	06/15/94	4,800		980	380	260	1,200
	09/14/94	6,600		1,200	280	330	1,100
	12/19/94	8,400		1,800	390	500	2,000
	03/07/95	7,400		1,400	370	440	2,000
	06/08/95	6,000		790	220	290	1,400
	09/22/95	4,100		750	93	230	860
	12/27/95	5,400		860	140	350	1,400
	03/26/96	1,700		180	27	100	370
	06/13/96	2,400	42	500	67	220	850
	09/10/96	7,000	<50	1,300	100	410	1,600
	12/05/96	6,300	<50	1,100	78	410	1,600
	03/07/97	6,500	<130	840	67	330	1,500
	06/12/97	7,500	<50	1,000	79	390	1,400
	08/19/97	1,100	<20	170	14	38	220
	12/13/97	4,100	24	300	29	190	860

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #720
1088 MARINA BOULEVARD, SAN LEANDRO, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organics				
		Gasoline	MTBE[1]	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-9	12/20/94	16,000		2,500	1,400	690	2,800
	03/07/95	5,200		1,600	250	320	520
	06/08/95	4,900		1,000	98	300	200
	09/22/95	4,000		1,100	82	190	200
	12/27/95	2,800		960	100	200	250
	03/26/96	1,600		380	44	96	110
	06/13/96	1,800	750	540	71	140	180
	09/10/96	2,400	810	860	70	190	210
	12/05/96	5,500	960	2,100	420	380	720
	03/07/97	4,200	720	1,300	170	260	440
	06/12/97	11,000	1,000	2,500	490	560	1,300
	08/19/97	42,000	<1,000	7,700	3,500	2,000	8,300
	12/13/97	13,000	710	1,300	280	960	3,100

NOTES:
< = Below indicated detection limit
ND = Reported as "nondetect" by previous consultant.
NS = Not sampled.

ENCLOSURE E

Remediation System Analytical Results

KIFF ANALYTICAL LLC

Report Number : 23541
Date : 12/3/2001

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 3 Air Samples
Project Name : 3720
Project Number : 3720
P.O. Number : 3720-57

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 23541
Date : 12/3/2001

Project Name : **3720**
Project Number : **3720**

Sample : **SVE-Inf** Matrix : Air Lab Number : 23541-01
Sample Date :11/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.11**	0.050	Molar ppm	EPA 8260B	11/26/2001
Toluene	**0.17**	0.050	Molar ppm	EPA 8260B	11/26/2001
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Total Xylenes	**0.10**	0.050	Molar ppm	EPA 8260B	11/26/2001
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	11/26/2001
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	11/26/2001
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	11/26/2001

Sample : **SVE-MID** Matrix : Air Lab Number : 23541-02
Sample Date :11/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Toluene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Total Xylenes	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	11/26/2001
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	11/26/2001
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	11/26/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 23541
Date : 12/3/2001

Project Name : **3720**
Project Number : **3720**

Sample : **SVE-Eff** Matrix : Air Lab Number : 23541-03
Sample Date :11/23/2001

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Toluene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
Total Xylenes	**< 0.050**	0.050	Molar ppm	EPA 8260B	11/26/2001
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	11/26/2001
Toluene - d8 (Surr)	97.5		% Recovery	EPA 8260B	11/26/2001
4-Bromofluorobenzene (Surr)	108		% Recovery	EPA 8260B	11/26/2001

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4803

Lab No. 23541 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Richard Munsch	Phone No.: (916) 771-7098
Company/Address: RMM Environmental	FAX No.: (916) 771-4584
Project Number: 3720 / P.O. No.: 3720-57	Email Address: ☒ .pdf ☐ .xls ☐ .doc ☐ other
Project Name: 3720	Sampler Signature: Richard D. Munsch
Project Location: San Leandro	

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: Air	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
~~Eff~~ SVE-Inf	11/23/01	11:18			X				X			X		X													-01
SVE-Mid	11/23/01	11:12			X				X			X		X													-02
SVE-Eff	11/23/01	11:10			X				X			X		X													-03

	Date	Time		
Relinquished by: Richard D. Munsch			Received by:	Remarks: STAT
Relinquished by:	Date	Time	Received by:	
Relinquished by:	Date: 112601	Time: 1651	Received by Laboratory: Kiff Osama Abdelaziz Analytical	Bill to: Ultramar Inc. / Joe Aldridge

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 062801.fm9

KIFF ANALYTICAL LLC

Report Number : 23884
Date : 12/17/01

Richard Munsch
RDM Environmental
1704 Via Riata
Roseville, CA 95747

Subject : 3 Air Samples
Project Name : 3720
Project Number : 3720
P.O. Number : 3720-57

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

Joel Kiff

KIFF ANALYTICAL LLC

Report Number : 23884
Date : 12/17/01

Project Name : **3720**
Project Number : **3720**

Sample : **SVE-INF** Matrix : Air Lab Number : 23884-01

Sample Date :12/13/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**0.076**	0.050	Molar ppm	EPA 8260B	12/14/01
Toluene	**0.16**	0.050	Molar ppm	EPA 8260B	12/14/01
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Total Xylenes	**0.063**	0.050	Molar ppm	EPA 8260B	12/14/01
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	12/14/01
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/14/01
4-Bromofluorobenzene (Surr)	114		% Recovery	EPA 8260B	12/14/01

Sample : **SVE-MID** Matrix : Air Lab Number : 23884-02

Sample Date :12/13/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Toluene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Total Xylenes	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	12/14/01
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	12/14/01
4-Bromofluorobenzene (Surr)	118		% Recovery	EPA 8260B	12/14/01

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

Report Number : 23884
Date : 12/17/01

Project Name : **3720**
Project Number : **3720**

Sample : **SVE-EFF** Matrix : Air Lab Number : 23884-03
Sample Date :12/13/01

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Toluene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Ethylbenzene	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
Total Xylenes	**< 0.050**	0.050	Molar ppm	EPA 8260B	12/14/01
TPH as Gasoline	**< 5.0**	5.0	Molar ppm	EPA 8260B	12/14/01
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	12/14/01
4-Bromofluorobenzene (Surr)	116		% Recovery	EPA 8260B	12/14/01

Approved By: Joel Kiff

720 Olive Drive, Suite D Davis, CA 95616 530-297-4800

KIFF ANALYTICAL LLC

720 Olive Drive, Suite D
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4803

Lab No. 23884 Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Manager: Richard Munsch
Phone No.: (916) 771-7098
Company/Address: RSKM Environmental
FAX No.: (916) 771-4584
Project Number: 3720
P.O. No.: 3720-57
Email Address:
☑ .pdf ☐ .xls ☐ .doc ☐ other
Project Name: 3720
Sampler Signature:
Project Location: San Leandro

Sample Designation	Sampling Date	Sampling Time	Container: 40 ml VOA	Container: SLEEVE	Container: Tedlar	Preservative: HCl	Preservative: HNO_3	Preservative: ICE	Preservative: NONE	Matrix: WATER	Matrix: SOIL	Matrix: Air	BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT: 12 hr/24 hr/48 hr/72 hr/1 wk	For Lab Use Only
SVE-Inf	12/13/01	12:10			X				X			X		X													-01
SVE-MID	12/13/01	12:06			X				X			X		X													-02
SVE-Eff	12/13/01	12:08			X				X			X		X													-03

Analysis Request

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	12/13/01	1715	Osama Abdalla / Kiff Analytical

Remarks: STAT

Bill to: Uhlmann Inc. / Joe Aldridge

Distribution: White - Lab, Yellow - File, Pink - Originator

Forms/coc 062801.fh9